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MONTANA AGRICULTURAL STATISTICS 1991

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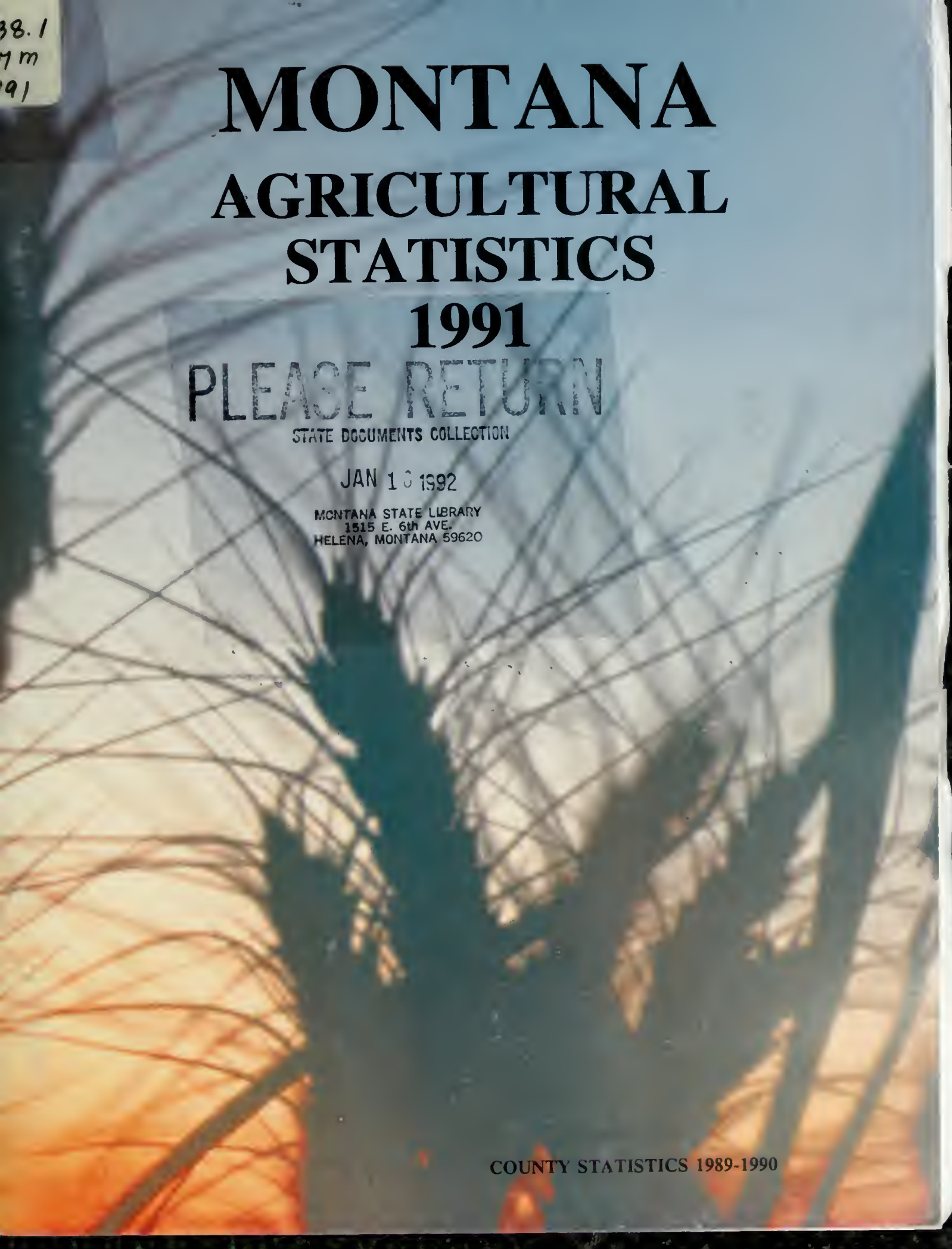

COUNTY STATISTICS 1989-1990

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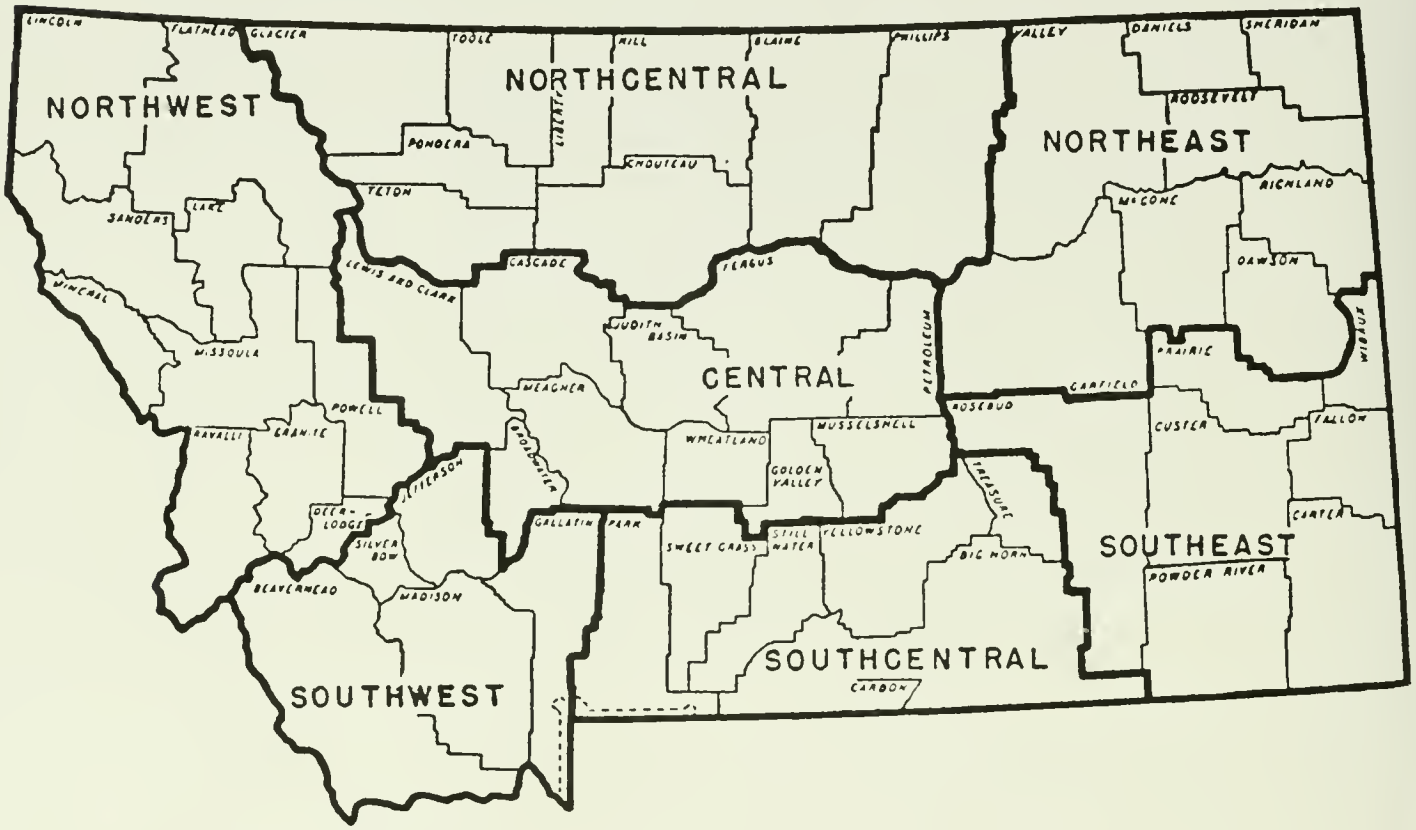
MONTANA AGRICULTURAL STATISTICS DISTRICTS



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MONTANA AGRICULTURAL STATISTICS

VOLUME XXVIII OCTOBER 1991

STATE OF MONTANA

STAN STEPHENS, GOVERNOR

MONTANA DEPARTMENT OF AGRICULTURE

EVERETT SNORTLAND, DIRECTOR

COOPERATING WITH

U.S. DEPARTMENT OF AGRICULTURE
NATIONAL AGRICULTURAL STATISTICS SERVICE

CHARLES E. CAUDILL, ADMINISTRATOR

COMPILED BY

MONTANA AGRICULTURAL STATISTICS SERVICE

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COMMENTS FROM THE GOVERNOR

In order to maintain a competitive market position in worldwide agriculture, Montana producers must have current and accurate information and statistics. The information contained in this bulletin assists agricultural producers in evaluating alternatives and in making informed decisions within a dynamic industry.

Through the dedication and persistence of agricultural business people, our state's number one industry has endured many difficulties. Montana producers continue to provide consumers with an abundance of excellent quality products. Enhanced opportunities for agricultural products processed in Montana have functioned to create and retain jobs. This places more value on our quality agricultural products. The dedication of our agricultural producers, in combination with changing world markets, have provided the ability to capitalize on opportunities to add value. With our exceptional high quality products, we will continue to make agriculture the economic basis of Montana.

Sincerely,

Stan Stephens
Governor

MESSAGE FROM THE DIRECTOR

Montana's economic foundation is agriculture, its largest and most important industry. It is this foundation that allows our farmers and ranchers to readily adapt to the impacts of the industry's high rate of change.

The high rate of change in the agricultural industry offers many opportunities in areas such as new innovations in biotechnology and world markets in terms of export opportunities. As we progress into the 1990's these advances make us increasingly aware of the significance of alternatives and the importance of adding value to our agricultural base. As we look forward, the degree of change and technology development will be incredible. It is essential that Montana's agricultural industry be prepared to capitalize on these advances.

Reliable and accurate information such as is provided through the Montana Agricultural Statistics Bulletin is necessary in order to accommodate the agricultural businesses impacted by the rapid changes within the industry. The bulletin provides statistics and information to generate ideas and make accurate and informed decisions.

Sincerely,

Everett

Everett Snortland
Director

NOTES FROM THE STATE STATISTICIAN

We are proud to present you with this twenty-eighth edition of "Montana Agricultural Statistics." The information provided in this report would not be possible without the continued support of Montana's farmers, ranchers, and agri-businessmen. They provide the basic input to this and other reports by voluntarily answering our survey questionnaires. I wish I could personally thank each of them for their efforts.

Agriculture continues to be Montana's largest industry. During 1990, it contributed nearly 2.1 billion dollars to the state's economy. Cattle and calf production remained the largest single enterprise followed by wheat and barley production.

The producers in Montana faced many difficulties during the 1980's. However, you again proved you were adaptable. Many of you learned to manage your operation more efficiently and others began to look for alternative enterprises. The diversity of the types of products you have added to your operations is really fascinating. Therefore, this year we have chosen to highlight just some of the various commodities that are being raised in Montana.

It is difficult to measure the impact that these "specialty" items have had on our state's economy. But, we do know that the bulk of our farm income is derived from the livestock and grain enterprises. This report continues to provide the unbiased state and county statistics for these commodities. Again, thank all of you for your support. Thanks also to our staff of statisticians, technicians and enumerators who are dedicated to providing you with high quality, timely information. A special thank you to Wendy Bruski, who had overall responsibility for the layout, design, and production of this report.

James K. Sands

James K. Sands
State Statistician

TABLE OF CONTENTS

GENERAL

Montana Department of Agriculture 6
Crop, Livestock, and Weather Digest 7
Climatological Data--Table 8
Climatological Data--Map 9
Percent of Total Acreage Seeded and Harvested by Date, Winter & Spring Wheat and Barley--graphs 10
Montana Facts and Figures 11
Number of Farms, Land in Farms, Livestock Farms 12

ECONOMIC

CASH RECEIPTS:
- Principal Products & Government Payments--State 13
- Principal Products & Government Payments--County ... 14
- Marketings by Commodities--Tables 15
- Marketing by Commodities--Pie Charts 16

Gross and Net Income from Farming 17
Comparison of Selected Industries 18
Fertilizer & Fertilizer Materials Sold 19
Prices Received for Selected Commodities 20, 21
Barley & Wheat: Production Costs & Returns 22
Cow-Calf: Production Costs & Returns 23

STATE STATISTICS--CROPS

ACREAGE, PRODUCTION, PRICE, VALUE:
- All Wheat, ... 24
- Winter Wheat 25
- Spring Wheat Excluding Durum 26
- Durum Wheat 27
- Barley 28
- Oats & Alfalfa Seed 29
- Corn 30
- Potatoes 30
- Dry Beans 30
- All Hay 31
- Alfalfa Hay 31
- All Other Hay 31
- Cherries 32
- Sugar Beets 32

Stocks of Major Grains 33
Wheat Shipped Out of State By Class & Destination 34
Winter Wheat Shipped By Class, District, Mode & Destination 34
All Wheat, Production, Stocks, & Utilization 35
All Wheat, Movement, Utilization, Exports 35
Wheat Varieties, % of Total Seeded Acreage & Seeded Acreage 36
Major Wheat Varieties--Graphs 37
Barley, % of Total Seeded Acreage & Seeded Acreage 38
Major Barley Varieties--Graph 39
Marketings of Major Crops 39

RANK

Montana's Rank in the Nation's Agriculture 40
Crop & Livestock Record Highs and Lows 41
Numerical Ranking of Counties--Crops 42
Numerical Ranking of Counties--Livestock & Cash Receipts 43
Winter Wheat & Spring Wheat Harvested Acreage--Maps 44
Durum Wheat & Barley--Harvested Acreage--Maps 45
Oats & Alfalfa Hay--Harvested Acreage--Maps 46

COUNTY STATISTICS--CROPS

All Crops, Irrigated & Non-Irrigated 1989-90 47
ACREAGE, YIELD, & PRODUCTION:
- All Wheat, 1989-90 ..... 48 49
- Winter Wheat, 1989-90 ..... 50, 51
- Spring Wheat, 1989-90 ..... 52, 53
- Durum Wheat, 1989-90 ..... 54, 55
- Barley, 1989-90 ..... 56, 57
- Oats, 1989-90 ..... 58, 59

Corn, Acreage, Silage, & Yield, 1989-90 ..... 60, 61
Corn For Grain, 1989-90 62
Potatoes, 1989-90 62
Sugar Beets, 1989-90 63
Dry Beans, 1989-90 63
All Hay, 1989-90 ..... 64, 65
Alfalfa Hay, 1989-90 ..... 66, 67
All Other Hay, 1989-90 ..... 68, 69

STATE STATISTICS--LIVESTOCK

Cattle & Calves, Numbers, Value, Disposition 70
Cattle & Calves Inventory--Graph 71
Cattle & Calves, Production & Income 72
Milk Cows on Farms, Production, Milkfat 72
Milk & Cream Marketed 73
Dairy Products Marketed 73
Dairy Products Manufactured 73
Sheep & Lambs Inventory--Graph 74
Hogs & Pigs Inventory--Graph 74
Sheep, Lambs, & Wool, Numbers, Value, Production, Disposition, Income 75
Hogs & Pigs, Numbers, Value, Production, Disposition, Income 76
Chickens, Numbers, Value, Production, Income 77
Honey & Beeswax, Production, Price, Value 77
Commercial Livestock Slaughter 78

Cattle & Calves, Percent of Operations & Inventory by Size Groups 79

COUNTY STATISTICS--LIVESTOCK

LIVESTOCK INVENTORY BY COUNTIES:
- Cattle & Calves, Number of Head--Map 79
- All Cattle & Calves 80
- Milk Cows & Heifers That Have Calved 80
- Beef Cows & Heifers That Have Calved 81
- Stock Sheep & Lambs 81
- Sheep & Lambs, Number of Head--Map 82
- Hogs & Pigs, Number of Head--Map 82
- Hogs & Pigs 83
- Chickens 83

AGRICULTURAL EXPORTS 84

REPORTS ISSUED & PUBLICATION DATES (on back cover)

MONTANA DEPARTMENT OF AGRICULTURE

The Department of Agriculture, through the Director, is responsible for administration of a $6.7 million annual budget with 89.04 full-time and 10 seasonal FTE. The Director oversees the department's five divisions and nine bureaus. The function of each division is summarized below.

Central Management Division performs technical, fiscal, and administrative support functions for the department. Responsibilities of the division include activities for internal operations of the department.

State Grain Laboratory Division is located in Great Falls, operating the only official USDA-FGIS state grain grading laboratory in the State of Montana. The lab provides unbiased grain grading, analytical services, and oil seed analysis to the state's grain industry.

Agricultural and Biological and Sciences Division is responsible for the registration of 4,930 pesticide products; the training, certification and licensing of 1,446 commercial and government applicators, 1,138 operators, 502 pesticide dealers, and 8,500 private applicators. The division is also responsible for providing an evaluation of pest management problems and programs; training and licensing of government and commercial pesticide applicators and dealers; and providing analytical laboratory and consultative services to other agencies and the public.

The passage of the Montana Agricultural Chemical Ground Water Protection Act (1990) provides that the department will protect ground water and the environment from impairment or degradation due to the use of agricultural chemicals.

The Vertebrate Pest Management program provides on-site demonstrations, educational materials and technical bulletins to assist producers in reducing damage caused by field rodents, birds and other large mammals.

The Weed Management program is responsible for administering statewide efforts aimed at control and/or eradication of noxious and other undesirable weeds.

The Plant Industry Division is responsible for the administration and enforcement of regulatory laws controlling the production, manufacturing, and marketing of agricultural commodities exported from or distributed within Montana. The division investigates consumer complaints; performs technical expertise and licenses for 4,900 bee yards, 650 nurseries, 650 feed dealers, 250 fertilizer dealers, 400 seed dealers, and 325 grain merchandisers. The division also registers some 3,300 commercial feed products and 1,000 fertilizers.

The Agricultural Development Division is responsible for administering programs directed at promoting and enhancing Montana agriculture. The Agriculture Finance program is responsible for making grants and lower interest-rate loans for rural youth, rural youth organizations, and other qualified farmers and ranchers. The division's Agricultural Assistance program is responsible for providing peer counseling, financial consulting, and debt mediation assistance. The State Hail Insurance program insures any type of crop grown in Montana from losses caused by hail damage.

The Marketing Program is responsible for market enhancement and development through direct market development activities and through grants and seed capital loan investments in new/innovative marketing and product development. Statewide agricultural statistics and projections are developed through a Federal/State cooperative agreement administered through the division, which are made available through a comprehensive agricultural statistics bulletin and grain movement summary along with other production, price, and income reports. Research and market development efforts are promoted for alfalfa seed through the Montana Alfalfa Seed Committee.

The division is responsible for promoting and encouraging intensive scientific and practical research in all phases of wheat culture, production, and marketing under the guidelines and policies developed by the Montana Wheat and Barley Committee. Similar research and market development efforts are promoted for alfalfa seed through the Montana Alfalfa Seed Committee.

The division is also responsible for the State Hail Insurance program which insures any type of crop grown in Montana from losses caused by hail damage.

MONTANA CROP, LIVESTOCK, AND WEATHER DIGEST, 1990

JANUARY: The month was very warm and mostly dry. Grazing was open in about half the state. Winter wheat was in fair to good condition with ample snow cover protection in most areas. Wind damage was light.

FEBRUARY: Warm and dry conditions continued except for a cold snap at mid-month. Winter wheat condition declined slightly due to strong winds and melted snow cover. Wind damage was mostly light to moderate. Grazing remained open.

MARCH: Another warm month with normal precipitation. Winter wheat started to green during the month and was mostly in good to excellent condition. Calving and lambing weather was good for most of the month.

APRIL: Critically dry conditions developed in the eastern part of the state, and rainfall was also below normal in many other areas. Except for the east, soil moisture was mostly adequate. Planting made good progress.

MAY: Planting small grains was virtually completed. Soil moisture was mostly adequate except in the eastern sections. Crop condition was rated good to excellent.

JUNE: Serious drought develops in Northeast Montana. Crop growth progress was about average. Abnormal heat the last of the month depleted soil moisture in much of the state.

JULY: A hot and dry month. Crops were maintained largely by scattered showers. Good rains fell over the North Central area the last week. In over two-thirds of the state, soil moisture was rated short for most of the month.

AUGUST: Small grains harvest was ahead of normal. Yields in the northeast were sharply lower than other areas. Rains at month's end caused some sprouting of malting barley.

SEPTEMBER: Small grains harvest completed. Winter wheat seeded in dry soils. In the drier areas, emergence was adversely affected and seeding was halted. The month was generally warm and dry.

OCTOBER: Harvesting of all crops virtually completed. Soils remained dry. Winter wheat condition rated mostly poor to fair. Stands were uneven in the driest areas, especially southern slopes.

NOVEMBER: Soils abnormally dry. Winter wheat mostly poor to fair. Grazing conditions were good, but supplemental feed was required in the drier areas.

DECEMBER: Extreme cold during the last half of the month. Winter wheat had little or no snow cover protection at the start of the cold. Grazing ended raising feed requirements.

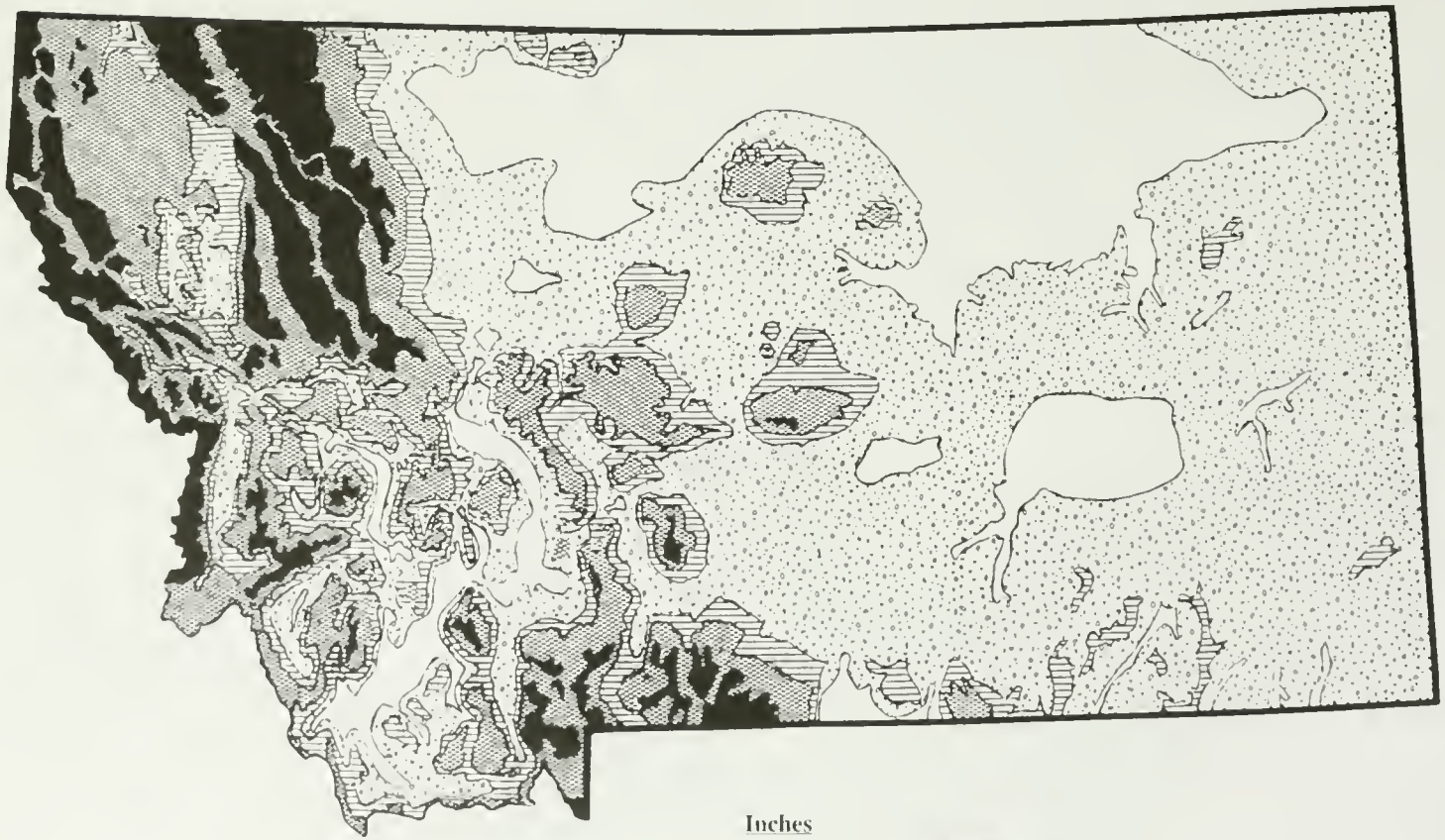
CLIMATOLOGICAL DATA: Precipitation and Number of Days Between Freezing Temperatures 1989-1990

COUNTY & DISTRICT	STATIONS	PRECIPITATION ANNUAL 1989	ANNUAL 1990	ANNUAL Normal [2]	APRIL - SEPTEMBER 1989	APRIL - SEPTEMBER 1990	APRIL - SEPTEMBER Normal [2]	FROST FREE DAYS [1] 1989	FROST FREE DAYS [1] 1990	FROST FREE DAYS [1] Normal [3]
		--Inches--						--Days--		
Deer Lodge	Anaconda	12.95	12.72	--	6.94	9.96	--	98	123	--
Flathead	Kalispell	22.20	23.93	15.93	11.67	12.04	8.55	111	148	135
Granite	Philipsburg	14.75	14.72	14.22	9.41	10.85	9.77	63	87	55
Lake	St. Ignatius	21.06	16.36	16.18	11.57	10.08	9.91	114	149	119
Mineral	Superior	16.56	16.63	17.46	8.04	7.24	8.14	99	149	85
Missoula	Missoula	13.56	13.52	13.29	8.34	8.80	7.30	108	138	112
Powell	Ovando	15.58	13.77	--	9.65	9.04	--	72	90	39
Ravelli	Hamilton	12.83	10.69	13.11	7.50	6.13	7.11	110	149	122
Sanders	Thompson Falls	23.55	26.84	22.77	10.64	8.11	8.83	113	149	115
NORTHWEST	Averages	17.00	16.58	16.14	9.31	9.14	8.52	99	131	98
Blaine	Chinook	14.65	9.42	11.93	10.42	6.40	9.05	103	115	119
Chouteau	Ft. Benton	19.86	10.67	14.60	13.39	7.90	10.24	104	128	127
Glacier	Cut Bank	19.48	9.19	11.99	15.03	6.75	9.81	102	129	108
Hill	Havre	16.18	4.99	11.17	11.97	3.26	8.14	132	129	138
Liberty	Chester	--	12.03	10.65	--	10.22	8.36	--	97	118
Phillips	Malta	11.95	10.55	--	8.60	7.89	--	108	128	131
Pondera	Valier	19.77	9.54	12.28	17.08	7.93	10.05	102	136	114
Teton	Fairfield	20.03	9.49	12.51	15.73	7.93	9.80	103	133	125
NORTH CENTRAL	Averages	17.42	9.12	12.16	13.17	6.87	9.35	108	128	123
Daniels	Scobey	10.95	9.21	13.49	9.43	7.59	10.24	108	120	116
Dawson	Glendive	17.80	9.88	13.45	13.88	7.91	10.55	128	141	139
Garfield	Jordan	17.16	8.07	12.54	11.76	6.31	9.74	108	128	108
McCone	Vida	9.54	7.52	15.70	7.12	5.56	11.93	127	131	110
Richland	Savage	10.37	11.02	13.86	6.58	9.58	11.36	128	138	131
Roosevelt	Culbertson	12.34	9.30	14.29	9.32	8.25	11.40	102	120	114
Sheridan	Medicine Lake	9.88	8.16	14.30	6.91	6.69	11.44	127	135	107
Valley	Glasgow	10.31	6.84	11.55	7.29	4.99	9.07	129	138	124
NORTHEAST	Averages	12.29	8.75	13.65	9.04	7.11	10.72	120	131	119
Broadwater	Townsend	10.49	7.98	11.11	6.96	6.61	8.17	77	141	119
Cascade	Great Falls	22.37	14.06	15.24	16.30	10.35	10.20	103	132	135
Fergus	Lewistown	--	--	17.66	14.68	8.70	12.75	102	139	107
Golden Valley	Barber	14.21	--	12.49	8.01	7.88	9.41	77	128	108
Judith Basin	Stanford	23.69	13.49	15.34	15.93	10.13	11.51	102	108	104
Lewis & Clark	Helena	12.49	8.43	11.37	7.62	5.97	7.79	100	149	134
Meagher	White Slphr Spgs	13.35	10.80	15.77	7.43	7.99	9.16	99	112	97
Musselshell	Roundup	15.16	11.64	12.01	8.35	9.19	9.31	133	138	129
Petroleum	Flatwillow	15.47	12.16	13.33	9.69	10.54	10.16	108	131	122
Wheatland	Harlowton	16.52	--	12.88	9.77	8.30	9.67	105	--	96
CENTRAL	Averages	15.97	8.73	13.72	10.47	8.57	9.81	101	118	115
Beaverhead	Dillon	9.50	10.55	9.53	5.49	8.80	7.18	102	120	99
Gallatin	Bozeman	18.83	16.14	18.63	10.94	8.99	12.20	104	143	107
Madison	Virginia City	12.77	13.37	16.26	6.61	7.95	11.29	81	112	94
Silver Bow	Butte	13.75	9.81	11.73	8.45	7.37	8.58	74	107	81
SOUTHWEST	Averages	13.71	12.47	14.04	7.87	8.28	9.81	90	121	95
Big Horn	Crow Agency	--	10.55	15.31	--	6.44	10.09	--	--	125
Carbon	Bridger	13.27	11.06	12.67	6.52	5.81	8.33	103	143	126
Carbon	Red Lodge	22.13	16.82	25.02	12.40	10.86	15.34	101	100	104
Park	Livingston	17.71	11.18	15.12	10.81	7.84	10.67	104	131	116
Stillwater	Columbus	14.42	13.67	13.87	7.02	9.03	9.80	--	136	121
Sweet Grass	Big Timber	20.96	11.97	15.20	12.21	8.76	10.77	108	139	123
Treasure	Hysham	15.57	6.53	12.77	9.31	4.88	9.21	108	146	121
Yellowstone	Billings	15.41	11.27	15.09	7.61	6.91	9.55	133	150	132
SOUTH CENTRAL	Averages	17.07	11.79	15.63	9.41	7.73	10.47	110	135	121
Carter	Ekalaka	--	9.74	16.21	--	7.34	12.54	--	142	122
Custer	Miles City	--	9.16	14.11	10.04	7.23	10.29	133	160	150
Fallon	Plevna	15.11	8.07	13.21	9.82	6.01	10.34	127	129	118
Power River	Broadus	13.51	9.22	13.84	7.10	6.52	10.01	101	120	128
Prairie	Mildred	13.47	8.18	--	9.20	6.70	--	132	134	119
Rosebud	Forsyth	13.99	10.11	--	8.12	7.79	--	132	129	130
Wibaux	Wibaux	--	9.29	13.84	12.46	6.96	11.32	108	128	107
SOUTHEAST	Averages	14.02	8.90	14.24	9.46	6.87	10.90	122	133	125

[1] Days between last frost in spring to first frost in fall after June 30.
[2] Normal for period 1951-1980. [3] Normal for period 1941-1970. -- Data not available.

SOURCE: THE NATIONAL WEATHER SERVICE, GREAT FALLS, MONTANA-NOAA.

AVERAGE ANNUAL PRECIPITATION



Inches

0-12	20-40
12-16	40 +
16-20	

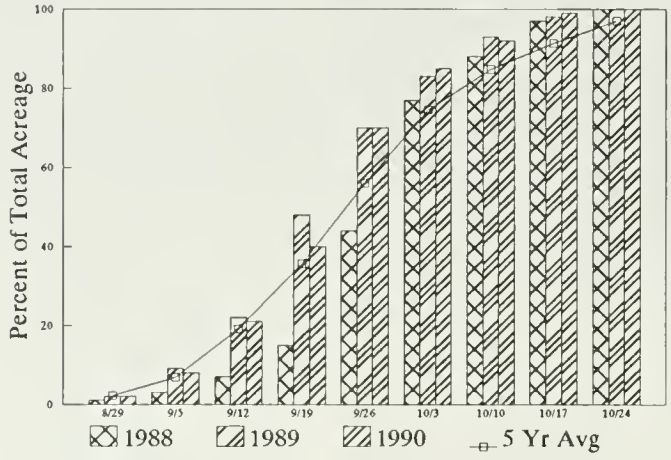
Based on period 1953-67

Montana Agricultural Statistics Service
Helena, Montana

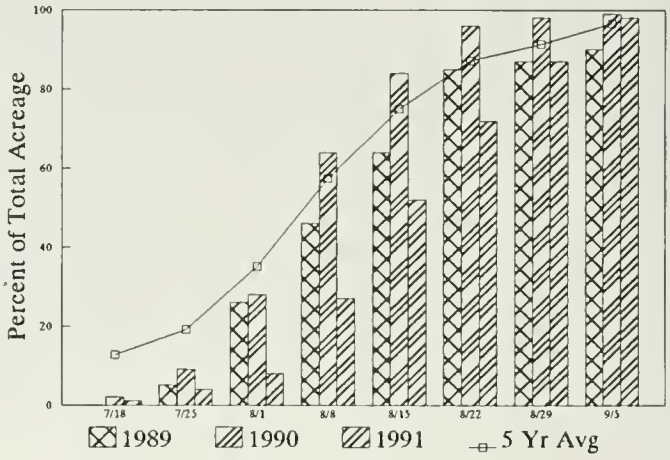
Source:
U.S.D.A. Soil Conservation Service
Montana Water Resources Board
National Weather Service

Percent of Total Acreage Seeded and Harvested by Date, 1988-1990

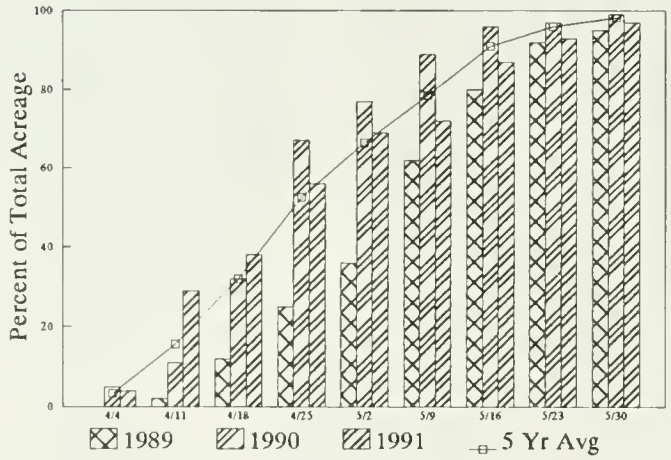
Winter Wheat -- Seeded



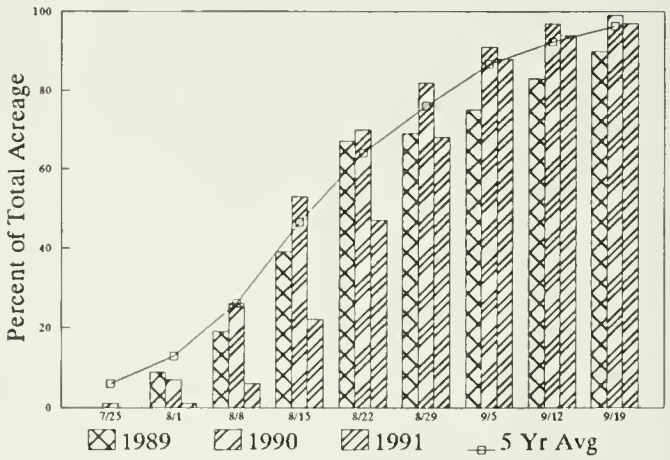
Winter Wheat -- Harvested



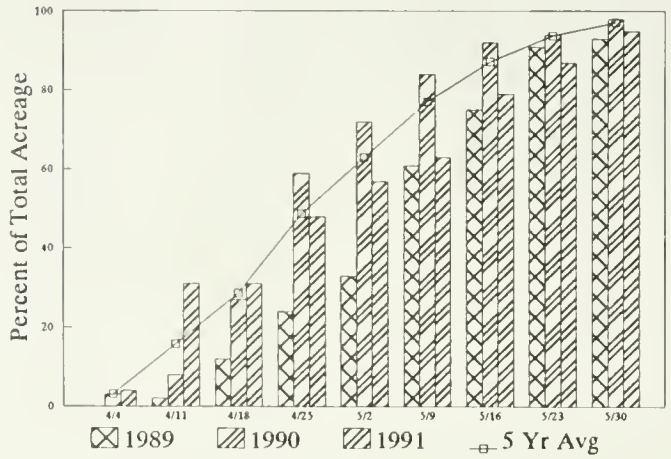
Spring Wheat -- Seeded



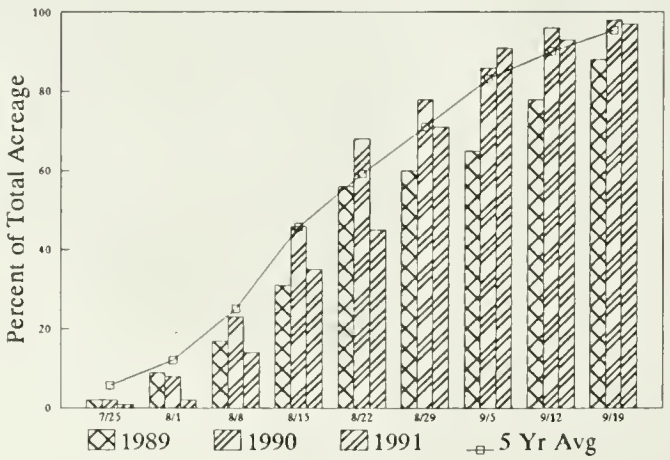
Spring Wheat -- Harvested



Barley -- Seeded



Barley -- Harvested



MONTANA FACTS AND FIGURES

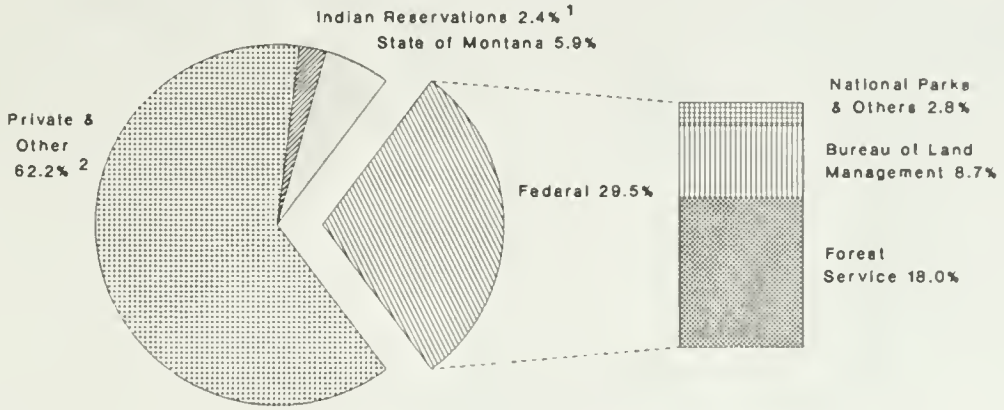
Montana's 1980 population, at 786,690, was up 13 percent from 1970. Population density, measured in people per square mile, was 5.3 in 1980--third lowest in the United States. Montana's 60.2 million acres of land in farms and ranches ranks second in the nation behind Texas.

MONTANA POPULATION	
Total, 1980 Census	786,690
People Per Square Mile	5.3
Farm Population	67,546
People Per Farm	2.8

LAND AND LAND UTILIZATION [1]		
Montana Total Land Area, Miles	145,388	Sq. Miles
Montana Total Land Area, Acres	93.0	Mil. Acres
All Land in Farms & Ranches	60,203,993	Acres
Proportion of Land in Farms & Ranches	64.7	Percent

[1] 1987 U.S. Census of Agriculture.

MONTANA LAND AREA: Ownership as Percentage of Total


Indian Reservations 2.4% [1]
State of Montana 5.9%
Private & Other 62.2% [2]
Federal 29.5%
National Parks & Others 2.8%
Bureau of Land Management 8.7%
Forest Service 18.0%

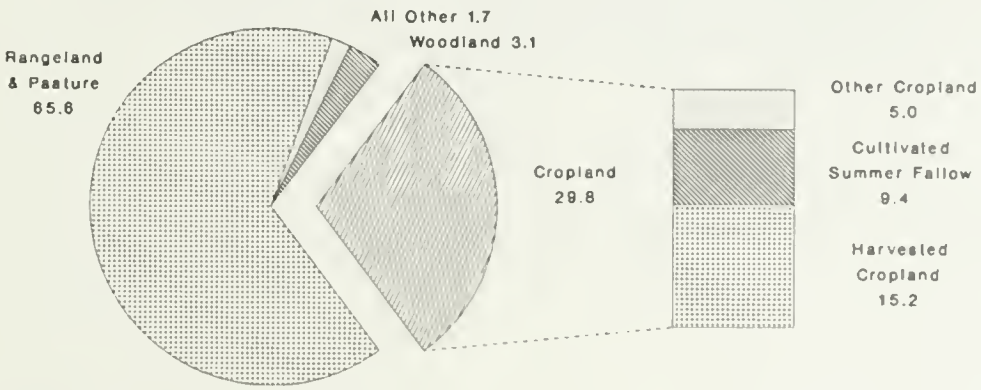
[1] Tribal lands only. [2] Includes roads, railroads, airports, etc.
SOURCE: BLM "Public Land Statistics, 1983," USFS, BIA, State of Montana, Department of State Lands.

FARM COUNTS AND MEASUREMENTS, 1989

Number of Farms & Ranches [1]	24,700	Real Estate Value/Farm or Ranch [3]	$596,186
Average Size of Farm or Ranch [1]	2,453 Acres	Average Value Per Acre [4]	$238
Total Farm & Ranch Assets [2]	$19.9 Bil.	Farm & Ranch Debt Per Operation [5]	$110,271
Average Value Per Farm or Ranch [2]	$807,425		

[1] Places with annual sale of agricultural products of $1,000 or more. [2] Includes household, buildings, machinery, livestock, crops, savings and investments. [3] Includes dwelling and other farm buildings. [4] Per acre, land and buildings, February 1, 1990. [5] Includes real estate, non-real estate, and CCC loans.

LAND IN FARMS AND RANCHES: Utilization as Percentage of Total [1]



[1] 1987 U.S. Census of Agriculture.

NUMBER OF FARMS, Montana, 1910-1949

Year	Number of Farms Thous.	Year	Number of Farms Thous.	Year	Number of Farms Thous.	Year	Number of Farms Thous.
1910	28.8	1920	57.7	1930	55.0	1940	44.5
1911	31.5	1921	57.0	1931	54.5	1941	42.0
1912	34.0	1922	55.0	1932	54.0	1942	41.0
1913	37.0	1923	52.5	1933	53.5	1943	40.8
1914	40.0	1924	51.0	1934	53.0	1944	40.6
1915	45.0	1925	50.0	1935	52.0	1945	40.4
1916	50.0	1926	51.0	1936	50.0	1946	39.8
1917	54.0	1927	52.5	1937	48.0	1947	39.2
1918	56.0	1928	53.5	1938	46.0	1948	38.5
1919	57.0	1929	54.0	1939	45.0	1949	37.8

NUMBER OF FARMS, ALL LAND IN FARMS, AND AVERAGE SIZE OF FARMS, Montana, 1950-1991

Year	Number of Farms Thous.	All Land in Farms Thous. Acres	Average Size of Farms Acres
1950	37.2	65,000	1,747
1951	36.8	65,200	1,772
1952	36.4	65,500	1,799
1953	35.9	65,800	1,833
1954	35.4	66,100	1,867
1955	34.8	66,100	1,899
1956	34.2	66,200	1,936
1957	33.6	66,300	1,973
1958	33.0	66,500	2,015
1959	32.4	66,600	2,056
1960	31.7	66,700	2,104
1961	30.8	66,800	2,169
1962	30.1	66,800	2,219
1963	29.5	66,800	2,264
1964	28.9	67,200	2,325
1965	28.4	66,700	2,349
1966	28.0	66,200	2,364
1967	27.6	65,700	2,380
1968	27.1	65,200	2,406
1969	26.7	64,700	2,423
1970	26.4	64,200	2,432
1971	26.0	63,700	2,450
1972	25.5	63,200	2,478
1973	25.1	63,000	2,510
1974	24.6	62,800	2,553
1975	23.4 [1]	62,200	2,658
1976	23.4	62,200	2,658
1977	23.5	62,100	2,643
1978	23.6	62,100	2,631
1979	23.7	62,100	2,620
1980	23.8	61,900	2,601
1981	23.9	61,700	2,582
1982	24.0	61,500	2,563
1983	24.1	61,300	2,544
1984	24.2	61,100	2,525
1985	24.3	61,000	2,510
1986	24.4	60,900	2,496
1987	24.5	60,800	2,482
1988	24.6	60,700	2,467
1989	24.7	60,600	2,453
1990	24.7	60,500	2,449
1991	24.8	60,300	2,431

[1] Places which had annual sale of agricultural products of $1,000 or more. Series initiated with 1975.

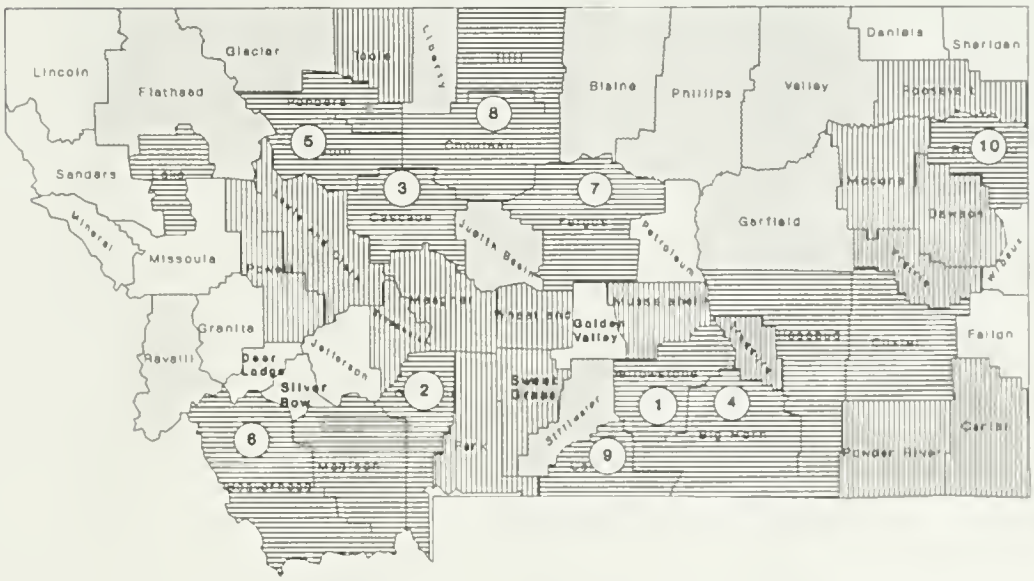
NUMBER OF LIVESTOCK FARMS, Montana, 1984-1990

ITEM	1984	1985	1986	1987	1988	1989	1990
				--Thousands--			
All Cattle	16.6	16.2	16.0	15.7	15.4	14.7	14.0
Milk Cows	2.8	2.7	2.5	2.3	2.2	2.0	1.9
Hogs	1.8	1.6	1.4	1.5	1.8	1.6	1.5
All Sheep	2.8	2.8	2.8	2.8	2.8	2.8	2.8

CASH RECEIPTS: From the Sale of Principal Products and Government Payments, Montana, 1981-1990

	Livestock & Livestock Products	Crops	Total Receipts from Marketing	Government Payments	Total All Cash Receipts
			---Thousand Dollars---		
1981	629,224	780,983	1,410,207	85,131	1,495,338
1982	654,022	898,355	1,552,377	116,916	1,669,293
1983	655,141	846,892	1,502,033	230,324	1,732,357
1984	752,116	689,420	1,441,536	239,609	1,681,145
1985	806,306	453,622	1,259,928	220,876	1,480,804
1986	597,888	499,170	1,097,058	344,450	1,441,508
1987	764,702	646,284	1,410,986	352,330	1,763,316
1988	816,262	585,173	1,401,435	386,734	1,788,169
1989	929,256	624,526	1,553,782	289,382	1,843,164
1990	863,679	742,052	1,605,731	299,600	1,905,331

CASH RECEIPTS FROM FARM MARKETINGS-1989
EXCLUDING GOVERNMENT PAYMENTS



Million Dollars
0-14.9
15.0-24.9
25.0-39.9
40.0+

Numbers show ranking of top ten.

CASH RECEIPTS: From Sale of Principal Products and Government Payments, 1989 [1]

COUNTY & DISTRICT	Livestock & Livestock Products	Crops	Total Receipts From Marketings	Government Payments	All Cash Receipts
			--Thousand Dollars--		
Deer Lodge	3,651	714	4,365	328	4,693
Flathead	16,463	16,105	32,568	342	32,910
Granite	11,766	961	12,727	254	12,981
Lake	23,304	18,178	41,482	1,607	43,089
Lincoln	2,170	374	2,544	41	2,585
Mineral	626	435	1,061	57	1,118
Missoula	6,943	2,518	9,461	328	9,789
Powell	14,142	3,865	18,007	643	18,650
Ravalli	26,914	6,535	33,449	388	33,837
Sanders	8,557	2,966	11,523	376	11,899
NORTHWEST	**114,536**	**52,651**	**167,187**	**4,364**	**171,551**
Blaine	18,544	14,382	32,926	12,069	44,995
Chouteau	17,120	38,335	55,455	18,507	73,962
Glacier	18,618	18,915	37,533	6,159	43,692
Hill	10,392	34,637	45,029	19,631	64,660
Liberty	9,627	16,299	25,926	8,785	34,711
Phillips	22,462	11,575	34,037	12,613	46,650
Pondera	9,675	33,882	43,557	6,886	50,443
Teton	33,311	43,308	76,619	7,330	83,949
Toole	6,093	18,399	24,492	11,501	35,993
NORTH CENTRAL	**145,842**	**229,732**	**375,574**	**103,481**	**479,055**
Daniels	4,636	6,362	10,998	9,599	20,597
Dawson	13,311	11,100	24,411	6,595	31,006
Garfield	21,067	4,280	25,347	5,600	30,947
McCone	8,246	8,533	16,779	10,156	26,935
Richland	25,530	26,594	52,124	11,531	63,655
Roosevelt	5,382	10,068	15,450	11,457	26,907
Sheridan	5,265	9,672	14,937	12,088	27,025
Valley	19,713	12,621	32,334	17,772	50,106
NORTHEAST	**103,150**	**89,230**	**192,380**	**84,798**	**277,178**
Broadwater	9,104	10,901	20,005	3,052	23,057
Cascade	51,498	28,254	79,752	8,077	87,829
Fergus	30,138	28,845	58,983	9,609	68,592
Golden Valley	9,671	2,775	12,446	2,934	15,380
Judith Basin	18,939	13,704	32,643	3,835	36,478
Lewis & Clark	14,804	8,338	23,142	1,572	24,714
Meagher	17,561	4,023	21,584	1,690	23,274
Musselshell	8,349	8,435	16,784	2,586	19,370
Petroleum	8,495	2,097	10,592	1,906	12,498
Wheatland	12,996	3,873	16,869	2,732	19,601
CENTRAL	**181,555**	**111,245**	**292,800**	**37,993**	**330,793**
Beaverhead	52,629	14,016	66,645	1,588	68,233
Gallatin	47,993	35,465	83,458	2,119	85,577
Jefferson	7,289	3,704	10,993	974	11,967
Madison	38,844	9,673	48,517	1,808	50,325
Silver Bow	3,312	763	4,075	157	4,232
SOUTHWEST	**150,067**	**63,621**	**213,688**	**6,646**	**220,334**
Big Horn	50,673	27,687	78,360	3,240	81,600
Carbon	31,681	20,842	52,523	2,167	54,690
Park	19,605	5,222	24,827	1,505	26,332
Stillwater	20,005	8,591	28,596	4,596	33,192
Sweet Grass	16,267	2,036	18,303	1,117	19,420
Treasure	12,817	7,957	20,774	920	21,694
Yellowstone	105,537	33,751	139,288	5,370	144,658
SOUTH CENTRAL	**256,585**	**106,086**	**362,671**	**18,915**	**381,586**
Carter	18,961	1,633	20,594	6,295	26,889
Custer	37,727	5,780	43,507	4,296	47,803
Fallon	12,085	2,129	14,214	5,767	19,981
Powder River	22,402	2,485	24,887	4,919	29,806
Prairie	15,962	4,276	20,238	3,217	23,455
Rosebud	31,035	12,979	44,014	5,176	49,190
Wibaux	5,324	1,234	6,558	3,516	10,074
SOUTHEAST	**143,496**	**30,516**	**174,012**	**33,186**	**207,198**
MONTANA	**1,095,231**	**683,081**	**1,778,312**	**289,383**	**2,067,695**

[1] Includes estimates of inter-farm sales and intra-state sales resulting in larger total cash receipts than shown in USDA estimates on other pages.

SOURCE: Bureau of Economic Analysis, U.S. Department of Commerce, Washington D.C.

CASH RECEIPTS: From Marketings by Commodities, Montana, 1986-1990 [1]

ITEM	1986	1987	1988	1989	1990
			--Thousand Dollars--		
LIVESTOCK and PRODUCTS					
Cattle and calves	484,121	641,623	693,345	797,523	725,476
Dairy products	41,338	40,878	41,254	42,752	45,292
Sheep and lambs	20,451	21,582	21,286	20,758	18,655
Wool	3,867	5,268	8,386	7,836	5,666
Hogs and pigs	23,147	30,836	28,613	34,181	42,150
Eggs	9,380	8,542	7,760	11,250	9,747
Chickens	189	149	174	197	116
Other [2]	15,395	15,824	15,444	14,759	16,577
TOTAL	597,888	764,702	816,262	929,256	863,679
CROPS					
Wheat	269,927	368,612	306,877	375,049	435,788
Barley	87,954	131,984	117,148	81,064	125,436
Sugar beets	39,726	42,463	46,646	45,829	54,064
Hay	68,414	61,856	71,633	78,832	81,996
Potatoes	9,367	12,311	11,565	15,130	16,960
Oats	870	1,693	2,233	2,758	2,476
Dry beans	1,570	1,473	1,752	2,709	3,343
Corn	1,305	1,452	1,927	1,468	734
Cherries	480	2,280	1,042	0	250
All other [3]	19,557	22,160	24,350	21,687	21,005
TOTAL	499,170	646,284	585,173	624,526	742,052
All commodities	1,097,058	1,410,986	1,401,435	1,553,782	1,605,731

[1] Revised. [2] Includes honey, beeswax, bees; turkey & turkey eggs; rabbits; mink; and others. [3] Includes other field crops and fruits; vegetables; seeds; and greenhouse, nursery and forest products.

CASH RECEIPTS: From Marketings by Commodities, as a Percent of Total Receipts For All Commodities, Montana, 1986-1990 [1]

ITEM	1986	1987	1988	1989	1990
			--Percent--		
LIVESTOCK and PRODUCTS					
Cattle and calves	44.1	45.5	49.5	51.3	45.2
Dairy products	3.8	2.9	2.9	2.8	2.8
Sheep and lambs	1.9	1.5	1.5	1.3	1.2
Wool	0.4	0.4	0.6	0.5	0.4
Hogs and pigs	2.1	2.2	2.0	2.2	2.6
Chickens and eggs	0.9	0.6	0.6	0.7	0.6
Other	1.4	1.1	1.1	0.9	1.0
TOTAL	54.5	54.2	58.2	59.8	53.8
CROPS					
Wheat	24.6	26.1	21.9	24.1	27.1
Barley	8.0	9.4	8.4	5.2	7.8
Sugar beets	3.6	3.0	3.3	2.9	3.4
Hay	6.2	4.4	5.1	5.1	5.1
Potatoes	0.9	0.9	0.8	1.0	1.1
Other	2.2	2.1	2.2	1.8	1.7
TOTAL	45.5	45.8	41.8	40.2	46.2
All commodities	100.0	100.0	100.0	100.0	100.0

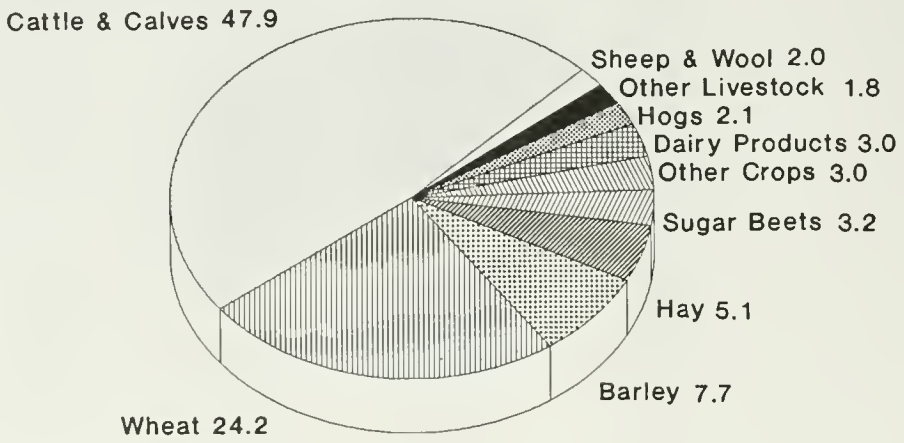
[1] Revised and details may not add to total because of rounding.

CASH RECEIPTS FROM MARKETINGS OF COMMODITIES, MONTANA [1]

1986-1989 AVERAGE

LIVESTOCK
$777,027,000
56.9%

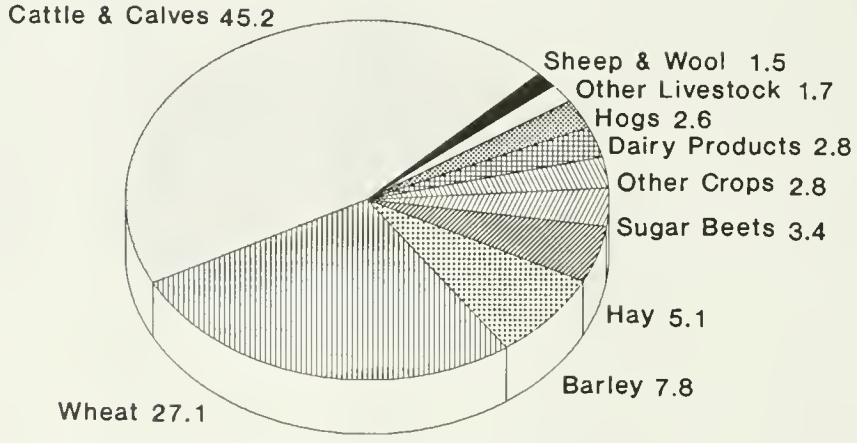
CROPS
$588,788,000
43.1%



1990

LIVESTOCK
$863,679,000
53.8%

CROPS
$742,052,000
46.2%



[1] Details may not add because of rounding.

GROSS and NET INCOME FROM FARMING: Montana, 1986-1990 [1]

ITEM	1986	1987	1988	1989	1990
			--Million Dollars--		
GROSS FARM INCOME [2]	1,737.7	1,858.3	1,722.5	2,161.8	2,095.7
Cash Income	1,476.2	1,805.7	1,827.2	1,887.9	1,951.2
Farm marketing	1,097.1	1,411.0	1,401.4	1,553.8	1,605.7
Crops	499.2	646.3	585.2	624.5	742.1
Livestock & products	597.9	764.7	816.3	929.3	863.7
Government payments	344.5	352.3	386.7	289.4	299.6
Other farm related income [3]	34.7	42.4	39.0	44.8	45.9
Noncash Income	79.4	81.1	87.2	91.4	95.7
Value of home consumption	13.0	12.6	12.3	11.6	10.9
Rental value of dwellings	66.3	68.5	74.9	79.8	84.8
Value of Inventory Adjustment	182.1	(28.5)	(191.9)	182.5	48.8
TOTAL PRODUCTION EXPENSES [2]	1,502.8	1,557.2	1,589.4	1,628.7	1,709.7
Intermediate Product Expenses	676.9	756.4	796.4	826.4	864.5
Farm origin	178.8	206.0	226.3	232.7	240.2
Feed purchased	105.7	115.8	135.0	132.6	135.1
Livestock & poultry purchased	47.5	62.8	63.0	70.3	75.0
Seed purchased	25.6	27.4	28.2	29.9	30.1
Manufactured inputs	237.9	247.3	254.5	264.5	285.5
Fertilzer & lime	69.0	74.3	76.9	80.3	80.2
Pesticides	55.2	60.6	61.4	73.0	76.9
Fuel & oil	95.1	89.8	92.3	90.4	108.1
Electricity	18.7	22.7	23.9	20.9	20.4
Other	260.2	303.1	315.6	329.1	338.8
Repairs & maintenance	99.9	107.7	109.8	122.2	118.1
Other miscellaneous [4]	160.3	195.3	205.8	206.9	220.6
Interest	326.6	294.8	273.6	258.2	252.6
Real estate	204.5	182.0	169.6	158.8	153.9
Nonreal estate	122.1	112.9	104.0	99.4	98.7
Contract & Hired Labor [5]	86.1	88.7	93.4	99.2	111.8
Net Rent for Non-Operator Landlord	76.4	88.1	90.6	94.8	116.4
Capital Consumption	257.1	255.0	260.2	270.8	273.8
Property Taxes	79.7	74.1	75.2	79.4	90.6
NET FARM INCOME	234.9	301.2	133.1	533.1	386.0

[1] Details may not add to total because of rounding.
[2] Includes operator dwelling.
[3] Includes forest products sales, recreational income, and other farm business-related income.
[4] Includes machine hire and customwork expenses; marketing, storage, and transportation expenses; and miscellaneous expenses.
[5] Includes contract labor expenses, hired labor wages and social security payments.

SOURCE: Economic Indicators of the Farm Sector, State Income and Balance Sheet Statistics, USDA-ERS.

AGRICULTURAL SALES HIGHER IN 1990

A comparison of selected Montana industries shows a 3 percent increase in agricultural cash income for 1990. A closer look reveals crop sales were up 19 percent, government payments up 4 percent while livestock sales decreased by 7 percent.

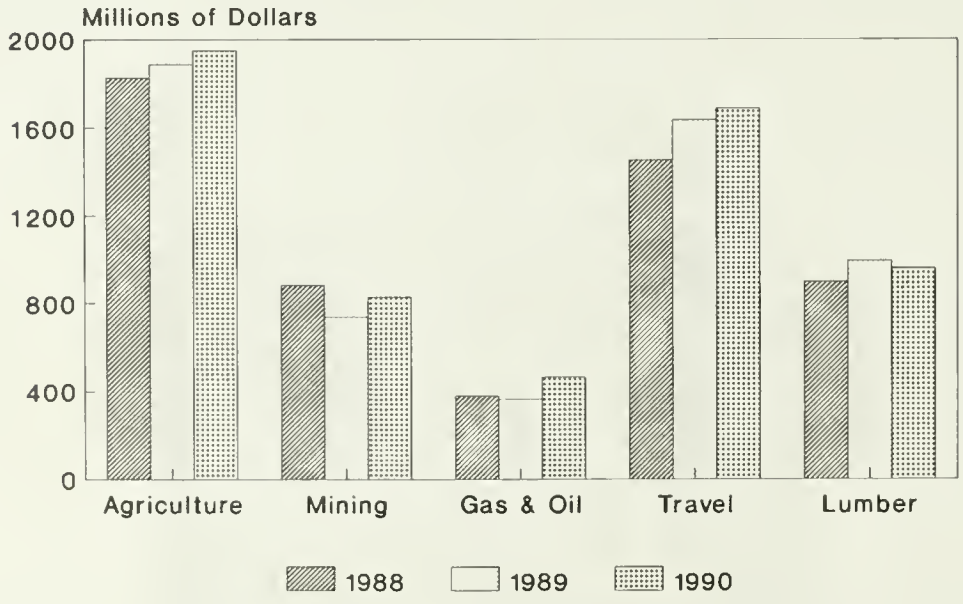
Gross sales in other industries were mixed. Travel receipts were up 3 percent while gas and oil were up 28 percent and mining of metals, including coal, was up 13 percent. Lumber was down 3 percent.

	1988	1989	1990	90/89
		--Millions of Dollars--		% Change
Agriculture [1]	1,827.2	1,887.9	1,951.2	103.4
Mining [2]	883.4	736.8	831.4	112.8
Gas & Oil [2]	379.2	365.1	466.1	127.7
Travel [3]	1,454.0	1,634.0	1,688.0	103.3
Lumber [4]	898.0	993.0	960.0	96.7

[1] Cash income including government payments.
[2] Gross value, Montana Department of Revenue (1990 estimate).
[3] Montana Department of Commerce, Promotion Division.
[4] Bureau of Business and Economic Research, University of Montana.

A COMPARISON OF SELECTED INDUSTRIES

Montana, 1988-1990



FERTILIZER AND FERTILIZER MATERIALS SOLD IN MONTANA [1]

MATERIALS	1985	1986	1987	1988	1989	1990
				--Tons--		
Anhydrous Ammonia	32,827	34,970	45,567	22,181	42,277	44,942
Ammonium Nitrate	64,862	63,729	63,469	54,121	63,873	47,911
Ammonium Sulfate	7,361	6,380	8,334	7,531	11,067	9,077
Ammonium Thiosulfate	1,135	1,230	1,702	836	2,299	944
Urea	34,726	39,725	71,185	52,774	72,253	81,978
Nitrogen Solutions	13,145	22,416	14,087	10,178	14,112	12,573
0-44-0, 0-45-0	3,332	11,664 [2]	8,567 [2]	6,334 [2]	12,198 [2]	2,315
Phosphoric Acid	1,434	--	--	--	--	3,293
Potash	16,553	17,421	19,477	17,186	21,149	21,691
Compost	924	1,787	1,525	730	1,506	2,722
Gypsum, Lime & Sulphur	1,994	2,083	1,499	1,541	1,353	1,028
Micronutrient Materials	1,423	352	813	608	844	410
AMMONIATED PHOSPHATES & MIXTURES						
18-46-0	51,446	48,063	54,282	34,004	45,914	39,735
16-20-0	17,170	14,375	12,991	10,866	14,216	15,185
11-48-0 - 11-55-0	58,429	57,992 [3]	74,877 [3]	52,891 [3]	76,372 [3]	84,234 [3]
30-10-0	536	599	789	625	38	N/A
10-34-0 (Liquid)	7,326	7,946	8,183	5,004	8,192	5,309
2-1-0 Ratios	2,843	1,885	2,851	933	2,271	2,360
1-1-0 Ratios	1,396	628	680	494	3,393	2,156
1-1-1 Ratios	383	1,399	1,335	469	354	806
Misc. Custom Blends	6,157	2,983	1,292	310 [4]	1,352 [4]	8,412 [4]
Misc. Spec Fertilizers	485	N/A	N/A	N/A	N/A	N/A
TOTAL All Fertilizers & Materials	325,887	337,627	393,505	279,616	395,033	387,583
TOTAL Nitrogen	91,414	96,082	120,496	117,088	117,854	115,766
TOTAL Phosphate	63,891	64,049	74,166	71,858	73,254	69,962
TOTAL Potash	10,426	10,453	11,815	12,275	12,825	13,059

[1] Montana Commercial Fertilizer Report
[2] All Phosphorus Materials
[3] 11-52-0
[4] Other

PRICES RECEIVED BY MONTANA FARMERS: Selected Commodities By Months, 1987-1991

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
ALL WHEAT						--Dollars per Bushel--							
1987	2.65	2.54	2.54	2.56	2.64	2.57	2.34	2.38	2.57	2.66	2.78	2.74	2.58
1988	2.78	2.81	2.85	2.87	2.95	3.25	3.68	3.86	3.95	3.96	3.98	4.04	3.42
1989	4.01	4.03	4.08	4.13	4.06	4.10	4.00	3.81	3.77	3.71	3.70	3.77	3.93
1990	3.74	3.62	3.61	3.56	3.50	3.39	3.22	2.79	2.66	2.61	2.57	2.59	3.16
1991	2.62	2.53	2.55	2.65	2.69	2.72	2.65	2.61	2.82*				
WINTER WHEAT													
1987	2.49	2.42	2.44	2.43	2.51	2.52	2.28	2.30	2.36	2.50	2.68	2.68	2.47
1988	2.73	2.77	2.80	2.82	2.83	3.01	3.30	3.31	3.55	3.79	3.83	3.89	3.22
1989	3.93	3.93	4.02	4.05	3.99	4.09	3.98	3.82	3.80	3.76	3.81	3.87	3.92
1990	3.84	3.70	3.68	3.58	3.51	3.37	3.01	2.60	2.55	2.51	2.47	2.48	3.11
1991	2.53	2.43	2.46	2.55	2.61	2.65	2.62	2.66	2.88*				
SPRING WHEAT EXCLUDING DURUM													
1987	2.79	2.64	2.65	2.66	2.77	2.56	2.31	2.46	2.61	2.66	2.80	2.74	2.64
1988	2.78	2.83	2.87	2.87	2.98	3.26	3.74	3.94	4.11	4.10	4.04	4.07	3.47
1989	4.16	4.11	4.20	4.20	4.15	4.12	4.04	3.81	3.76	3.68	3.63	3.73	3.96
1990	3.69	3.57	3.58	3.56	3.50	3.40	3.29	3.03	2.82	2.75	2.67	2.69	3.21
1991	2.70	2.65	2.71	2.80	2.86	2.83	2.71	2.55	2.75*				
DURUM WHEAT													
1987	2.89	2.80	2.98	3.05	3.10	3.22	2.99	2.73	3.34	3.36	3.56	3.54	3.13
1988	3.39	3.64	3.22	3.38	3.44	4.01	5.07	5.48	5.80	5.41	5.66	5.53	4.50
1989	4.96	5.03	4.49	4.33	4.44	4.11	3.79	3.65	3.22	3.34	3.26	3.26	3.99
1990	3.05	3.14	3.31	3.30	3.27	3.38	3.28	3.14	2.96	2.68	2.70	2.51	3.06
1991	2.73	2.55	2.56	2.66	2.74	2.62	2.38	2.30	2.44*				
BARLEY													
1987	1.62	1.63	1.70	1.64	1.68	1.63	2.13	1.84	2.09	1.62	2.06	2.07	1.81
1988	1.68	1.77	1.65	1.64	1.60	1.84	2.67	2.76	2.81	2.90	3.03	2.92	2.27
1989	2.95	2.98	2.77	2.85	2.72	2.41	2.15	2.61	2.21	2.06	2.17	2.12	2.50
1990	2.17	2.22	2.24	2.18	2.21	2.19	2.40	2.44	2.20	2.24	2.26	2.22	2.25
1991	2.24	2.25	2.36	2.52	2.53	2.18	2.55	2.87	2.97*				
OATS													
1987	1.39	1.44	1.39	1.65	1.74	1.59	1.22	1.26	1.33	1.37	1.44	1.52	1.45
1988	1.48	1.61	1.64	1.54	1.57	1.99	2.42	2.24	2.49	2.04	2.19	2.23	1.95
1989	2.31	2.41	2.24	2.17	2.23	1.90	1.85	1.24	1.45	1.56	1.40	1.38	1.85
1990	1.37	1.37	1.43	1.22	1.29	1.26	1.29	1.05	1.22	1.19	1.05	1.27	1.25
1991	1.25	1.28	1.28	1.31	1.34	1.30	1.28	1.04	.98*				
ALL HAY							--Dollars per Ton--						
1987	51.00	46.00	45.00	45.00	45.00	50.00	50.00	47.00	46.00	47.00	47.00	45.00	47.00
1988	46.00	43.00	41.00	41.00	42.00	60.00	70.00	82.00	87.00	89.00	89.00	89.00	64.92
1989	93.00	92.00	99.00	104.00	101.00	85.00	67.00	70.00	70.00	69.00	66.00	69.00	82.08
1990	71.00	70.00	66.00	67.00	67.00	66.00	67.00	66.00	66.00	64.00	67.00	66.00	66.92
1991	63.00	59.00	59.00	60.00	58.00	56.00	53.00	50.00	51.00*				
ALFALFA HAY													
1987	51.00	46.00	45.00	45.00	45.00	50.00	50.00	47.00	46.00	47.00	47.00	45.00	47.00
1988	46.00	44.00	41.00	41.00	42.00	61.00	71.00	83.00	88.00	90.00	90.00	90.00	65.58
1989	94.00	93.00	100.00	105.00	103.00	86.00	68.00	70.00	70.00	70.00	67.00	70.00	83.00
1990	72.00	70.00	67.00	68.00	68.00	67.00	68.00	67.00	67.00	65.00	68.00	67.00	67.83
1991	64.00	60.00	60.00	61.00	59.00	57.00	53.00	50.00	52.00*				
ALL OTHER HAY													
1987	47.00	41.00	40.00	40.00	40.00	45.00	45.00	42.00	41.00	42.00	42.00	40.00	42.08
1988	41.00	38.00	36.00	37.00	37.00	55.00	61.00	72.00	78.00	80.00	80.00	80.00	57.92
1989	86.00	83.00	90.00	94.00	85.00	73.00	60.00	65.00	65.00	62.00	58.00	60.00	73.42
1990	62.00	65.00	59.00	59.00	58.00	57.00	57.00	57.00	57.00	58.00	62.00	57.00	59.00
1991	54.00	53.00	52.00	52.00	51.00	51.00	49.00	47.00	46.00*				

* Preliminary figures.

PRICES RECEIVED BY MONTANA FARMERS: Selected Commodities By Months, 1987-1991

Crop & Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Avg.
BEEF CATTLE						--Dollars per Hundredweight--							
1987	55.30	59.40	60.10	61.40	56.10	51.80	51.90	59.00	67.90	67.80	62.00	60.30	59.42
1988	68.10	70.60	69.40	66.50	61.30	54.60	53.30	63.50	69.00	68.70	62.60	63.40	64.25
1989	68.20	71.50	67.20	62.60	60.90	55.10	55.20	63.80	72.20	75.50	70.20	64.70	65.59
1990	69.90	72.70	73.70	69.70	68.20	60.60	63.10	84.40	77.30	70.30	63.20	68.90	70.17
1991	72.00	76.70	81.90	71.30	68.10	59.30	57.80	56.70	66.80*				
STEERS & HEIFERS													
1987	63.50	66.70	67.00	68.80	67.90	65.30	65.70	68.50	71.60	74.00	75.00	74.10	69.00
1988	80.30	78.70	77.80	75.00	73.10	70.20	69.50	75.50	76.20	81.80	79.10	79.10	76.36
1989	81.20	79.80	75.90	73.80	73.10	71.30	69.20	76.40	77.20	84.30	83.70	80.60	77.21
1990	81.40	81.70	80.80	79.40	78.40	75.30	80.00	88.30	85.20	85.00	85.50	87.50	82.38
1991	87.20	89.70	89.20	85.10	87.30	79.60	77.20	73.90	73.40*				
COWS													
1987	40.10	45.70	47.40	44.50	44.20	44.60	44.40	44.70	45.90	44.30	42.70	44.80	44.44
1988	48.30	51.60	49.80	50.70	49.50	45.10	46.30	45.50	45.70	44.30	42.50	44.30	46.97
1989	45.20	47.80	46.90	45.70	46.00	46.40	48.00	48.50	48.90	46.20	45.40	47.00	46.83
1990	48.60	52.50	52.60	51.80	52.90	55.10	54.70	54.20	52.90	49.80	48.20	51.40	52.06
1991	49.50	54.20	54.40	53.90	54.20	55.10	53.20	50.80	51.30*				
CALVES													
1987	70.40	72.90	72.10	74.90	72.30	74.50	72.50	85.70	88.30	83.50	84.00	85.90	78.08
1988	90.10	90.50	91.70	86.70	84.30	81.80	92.90	97.00	91.30	90.20	91.10	89.00	89.72
1989	90.20	92.20	88.60	85.10	86.10	87.70	83.90	91.80	87.80	89.00	87.60	87.60	88.13
1990	88.80	93.00	91.60	92.80	98.00	96.40	98.00	104.00	98.10	94.70	97.20	101.00	96.13
1991	102.00	105.00	103.00	101.00	101.00	97.50	93.20	99.80	97.70*				
SHEEP													
1987	29.80	29.90	20.30	17.00	23.40	28.50	28.40	28.70	26.50	28.40	29.80	29.50	26.68
1988	22.60	33.60	27.00	20.30	25.00	17.30	24.40	22.80	19.20	22.00	25.40	25.60	23.77
1989	28.00	26.30	28.70	22.60	17.20	23.40	19.40	18.20	20.30	17.40	26.60	26.70	22.90
1990	27.80	25.30	24.60	22.00	12.70	17.10	17.10	19.70	13.00	14.40	20.20	22.60	19.71
1991	25.20	20.50	25.60	19.40	16.30	15.00	20.20	18.50	15.50*				
LAMBS													
1987	78.00	77.00	75.50	70.50	66.50	81.60	78.50	79.30	81.30	82.60	76.90	82.70	77.53
1988	90.60	80.20	72.80	68.70	72.20	62.50	61.30	61.90	63.60	67.60	70.00	71.20	70.22
1989	69.00	68.40	67.50	61.30	65.10	68.50	65.50	67.60	68.30	63.70	60.00	64.90	65.82
1990	58.00	67.30	64.30	55.90	55.90	59.70	52.10	49.20	48.50	47.00	43.80	43.20	53.74
1991	44.80	41.20	46.20	50.00	53.10	52.60	52.60	49.30	47.00*				
HOGS													
1987	42.20	44.10	41.60	44.00	47.60	52.90	53.90	52.20	48.50	43.00	33.60	33.20	44.73
1988	33.60	40.10	35.90	34.80	40.40	40.50	38.20	40.40	35.40	34.00	31.30	33.90	36.54
1989	36.60	38.20	34.50	31.40	35.60	36.80	37.40	40.80	39.30	42.20	39.50	44.00	38.03
1990	40.00	46.10	47.10	49.30	56.70	58.10	56.60	52.30	49.00	50.70	44.50	44.90	49.61
1991	46.90	47.20	46.40	46.40	51.20	49.70	48.80	47.00	41.80*				
ALL MILK													
1987	13.01	12.69	12.45	12.08	11.68	11.79	12.13	12.17	12.77	13.02	12.90	12.74	12.45
1988	12.45	12.36	12.00	11.65	11.35	11.20	11.35	11.87	12.40	12.66	13.32	13.55	12.18
1989	13.75	13.90	13.70	12.05	12.23	12.35	12.40	12.95	13.60	14.50	15.10	15.20	13.48
1990	15.30	14.45	13.65	12.85	12.95	13.10	13.95	14.35	14 21	14.30	13.66	11.90	13 72
1991	12.00	11.45	11.60	11.60	11.50	11.03	11.60	12.30	12.90*				
EGGS						--Price per Dozen--							
1987	.53	.47	.52	.54	.40	.48	.42	.44	.60	.48	.53	.41	.49
1988	.41	.42	.47	.42	.37	.36	.56	.54	.59	.60	.67	.71	.51
1989	.69	.66	.82	.66	.64	.64	.70	.65	.70	.70	.83	.74	.70
1990	.85	.64	.80	.69	.49	.62	.55	.68	.63	.74	.73	84	.69
1991	.81	.66	.84	.58	.55	.57	.65	.64	.62*				
WOOL						--Price per Pound--							
1987	.63	.74	.81	1.00	1.07	1.02	1.02	1.19	1.17	1.17	1.15	.94	.99
1988	.93	1.42	1.46	1.53	1.44	1.47	1.67	1.29	1.32	1.44	1.37	1.12	1.37
1989	1.72	1.33	1.44	1.34	1.35	1.35	1.41	1.40	1.25	.92	.89	.82	1.27
1990	1.48	.98	.88	.87	.96	.88	1.03	.90	.86	.62	.60	.66	.89
1991	.65	.55	.55	.45	.50	.50	.55	.55	.55*				

* Preliminary figures.

BARLEY & WHEAT: Production Costs and Returns Per Planted Acre, Northern Plains, 1986-88 [1]

Item	BARLEY			WHEAT		
	1986	1987	1988	1986	1987	1988
	Dollars					
Gross value of production:						
Primary Crop	51.16	63.42	50.82	67.61	75.46	48.66
Secondary Crop	1.29	1.33	2.40	1.41	1.55	1.23
Total	52.45	64.75	53.22	69.02	77.01	49.89
Cash expenses:						
Seed	6.08	4.62	5.19	6.62	5.82	6.38
Fertilzer	12.90	12.26	14.35	10.30	9.58	10.87
Chemicals	5.38	5.45	5.50	4.39	4.39	4.39
Custom operations	1.68	1.74	1.02	3.46	3.54	3.18
Fuel, lubrication, and electricity	3.94	4.84	4.44	4.13	5.10	4.47
Repairs	6.29	5.88	5.32	5.74	5.83	5.17
Hired labor	4.36	4.23	4.38	2.00	1.93	1.72
Purchased irrigation water	1.17	1.24	1.12	n.a.	n.a.	n.a.
Technical services	0.27	0.27	0.27	0.04	0.04	0.04
Total variable cash expenses	42.07	40.53	41.59	36.68	36.23	36.22
General farm overhead	5.23	5.14	5.52	4.22	6.24	3.77
Taxes and insurance	6.99	6.96	6.46	7.26	7.43	6.76
Interest on operating loans	4.84	3.44	3.09	3.68	3.37	1.98
Interest on real estate	7.37	5.97	5.56	5.11	7.69	3.76
Total, fixed cash expenses	24.43	21.51	20.63	20.27	24.73	16.27
Total, cash expenses	66.50	62.04	62.22	56.95	60.96	52.49
Net returns less cash expenses [2]	-14.05	2.71	-9.00	12.07	16.05	-2.60
Capital replacement	22.80	22.02	20.24	21.42	21.79	19.74
Net returns less cash expenses and capital replacement	-36.85	-19.31	-29.24	-9.35	-5.74	-22.34
Economic (full ownership) costs:						
Variable cash expenses	42.07	40.53	41.59	36.68	36.23	36.22
General farm overhead	5.23	5.14	5.52	4.22	6.24	3.77
Taxes and insurance	6.99	6.96	6.46	7.26	7.43	6.76
Capital replacement	22.80	22.02	20.24	21.42	21.79	19.74
Allocated returns to owned inputs:						
Return to operating capital [3]	0.56	0.59	0.73	0.56	0.61	0.74
Return to other nonland capital [4]	4.21	4.52	4.58	3.96	4.48	4.43
Net land return [5]	23.32	23.89	22.80	28.61	28.10	24.77
Unpaid labor	10.62	10.24	10.92	4.44	4.29	3.84
Total, economic costs	115.80	113.89	112.84	107.15	109.17	100.27
Residual returns to management and risk [6]	-63.35	-49.14	-59.62	-38.13	-32.16	-50.38
Harvest-month price (dollars per bushel)	1.18	1.47	3.01	2.28	2.45	3.87
Yield (bushels per planted acre)	43.28	43.05	16.90	29.69	30.81	12.56

[1] Excludes direct effects of Government programs on costs and returns; sum of operator and landlord costs and returns. [2] Gross value of production less total cash expenses. [3] Variable expenses multiplied by time between use and harvest and by 6-month U.S. Treasury bill rate. [4] Value of machinery and equipment multiplied by longrun real rate of return to production assets in the farm sector. [5] Rental value based on composite share and cash rent. [6] Gross value of production less total economic costs.

SOURCE: Economic Indicators of the Farm Sector, Costs of Production--Major Field Crops, 1988, USDA--ERS

COW-CALF: Production Costs and Returns, All Sizes of Operations, West, 1987-89

Item	1987	1988	1989
		Dollars per cow	
Cash Receipts:			
Steer calves (102.1 lbs) [1]	84.84	95.24	99.49
Heifer Calves (70.4 lbs)	53.20	60.73	61.80
Feeder steers (133.5 lbs)	97.34	108.06	111.32
Feeder heifers (90.4 lbs)	63.90	70.71	73.15
Cull cows (92.5 lbs)	38.77	40.86	42.19
Total, cash receipts	338.05	375.60	387.95
Cash Expenses:			
Feed--			
Grain (1.78 cwt)	6.13	8.62	9.53
Protein supplements (1.02 cwt)	11.25	13.11	13.85
Salt and minerals (0.36 cwt)	2.02	2.02	2.11
Hay (1.36 ton)	31.39	41.55	37.31
Silage (0.09 ton)	1.67	1.97	1.46
Pasture	34.67	36.91	38.89
Public grazing	1.52	1.60	1.71
Other--			
Veterinary and medicine	7.34	7.55	8.13
Livestock hauling	2.81	2.87	3.06
Marketing	4.18	4.45	4.69
Fuel, lube, and electricity	11.46	11.89	13.59
Machinery and building repairs	20.61	21.60	22.40
Hired labor (5.05 hours)	23.23	24.45	25.39
Total, variable cash expenses	158.28	178.59	182.12
General farm overhead	40.57	52.58	56.87
Taxes and insurance	24.84	26.76	28.20
Interest	43.95	41.32	41.51
Total, fixed cash expenses	109.36	120.66	126.58
Total, cash expenses	267.64	299.25	308.70
Cash receipts less cash expenses	70.41	76.35	79.25
Capital replacement [2]	56.31	58.75	59.73
Total, cash expenses and replacement	323.95	358.00	368.43
Net cash returns	14.10	17.60	19.52
Economic (full ownership) costs:			
Variable cash expenses	158.28	178.59	182.12
General farm overhead	40.57	52.58	56.87
Taxes and insurance	24.84	26.76	28.20
Capital replacement	56.31	58.75	59.73
Operating capital [3]	4.79	6.18	7.32
Other nonland capital [4]	23.88	28.83	32.39
Land [5]	48.50	58.06	66.59
Unpaid labor (25.8 hrs)	79.11	83.41	88.01
Total, economic costs	436.28	493.16	521.23
Residual returns to management and risk	-98.23	-117.56	-133.28

[1] Quanties per unit in parentheses are for latest year and will vary for earlier years. [2] Capital replacement cost is treated as a cash cost. [3] Variable expense items multipled by part of year used and 6-month U.S. Treasury bill rate. [4] Value of machinery and equipment multiplied by longrun real rate of to production assets in farm sector. [5] Value of land multiplied by longrun real rate of return to production assets in farm sector.

SOURCE: Economic Indicators of the Farm Sector, Costs of Production--Livestock and Dairy, 1989, USDA--ERS

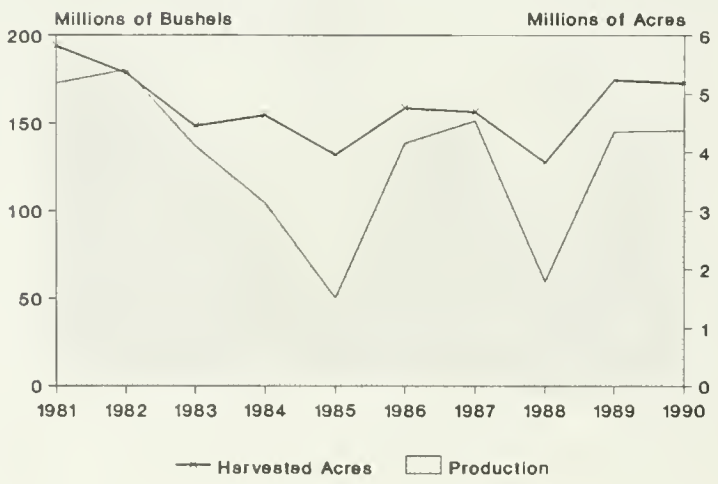
ALL WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	6,040,000	5,820,000	29.7	172,830,000	3.68	636,472,000	109.36
1982	5,750,000	5,360,000	33.6	180,320,000	3.55	639,544,000	119.32
1983	4,810,000	4,455,000	30.7	136,930,000	3.69	505,238,000	113.41
1984	5,015,000	4,640,000	22.6	104,655,000	3.56	372,396,000	80.26
1985	5,660,000	3,960,000	12.7	50,240,000	3.47	174,147,000	43.98
1986	5,015,000	4,760,000	29.1	138,520,000	2.52	348,764,000	73.27
1987	4,895,000	4,690,000	32.2	151,220,000	2.74	414,186,000	88.31
1988	4,730,000	3,830,000	15.7	59,970,000	3.98	238,578,000	62.29
1989	6,340,000	5,235,000	27.7	145,030,000	3.66	530,779,000	101.39
1990	5,745,000	5,185,000	28.1	145,865,000	2.73	398,439,000	76.84

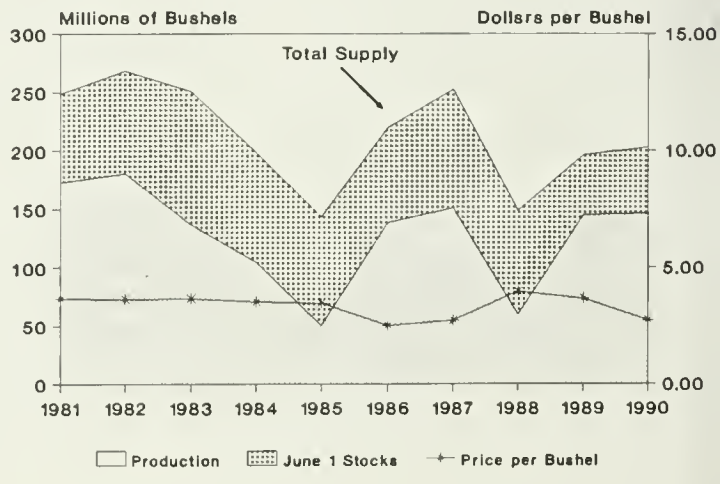
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	129,400	54.9	7,099,900	5,690,600	29.1	165,730,100
1982	100,000	58.3	5,826,600	5,260,000	33.2	174,493,400
1983	96,700	61.7	5,963,000	4,358,300	30.1	130,967,000
1984	114,600	55.3	6,340,900	4,525,400	21.7	98,314,100
1985	114,500	47.2	5,403,000	3,845,500	11.7	44,837,000
1986	114,500	56.2	6,433,000	4,645,500	28.4	132,087,000
1987	121,000	61.0	7,327,000	4,569,000	31.0	143,893,000
1988	112,000	44.5	4,979,000	3,718,000	14.8	54,991,000
1989	186,500	53.2	9,920,000	5,048,500	26.8	135,110,000
1990	187,700	54.2	10,180,000	4,997,300	27.2	135,685,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	5,488,700	29.4	161,569,500	201,900	20.6	4,160,600
1982	4,944,700	33.4	165,356,700	315,300	29.0	9,136,700
1983	4,140,900	30.5	126,402,500	217,400	21.0	4,564,500
1984	4,310,400	22.0	95,021,100	215,000	15.3	3,293,000
1985	3,631,500	11.8	42,807,000	214,000	9.5	2,030,000
1986	4,035,500	28.6	115,362,000	610,000	27.4	16,725,000
1987	4,014,000	32.0	128,092,000	555,000	28.0	15,801,000
1988	3,544,700	15.0	53,221,000	173,300	10.2	1,770,000
1989	4,478,500	27.2	121,860,000	570,000	23.2	13,250,000
1990	4,306,300	28.1	121,060,000	691,000	21.2	14,625,000

Montana All Wheat



Montana All Wheat



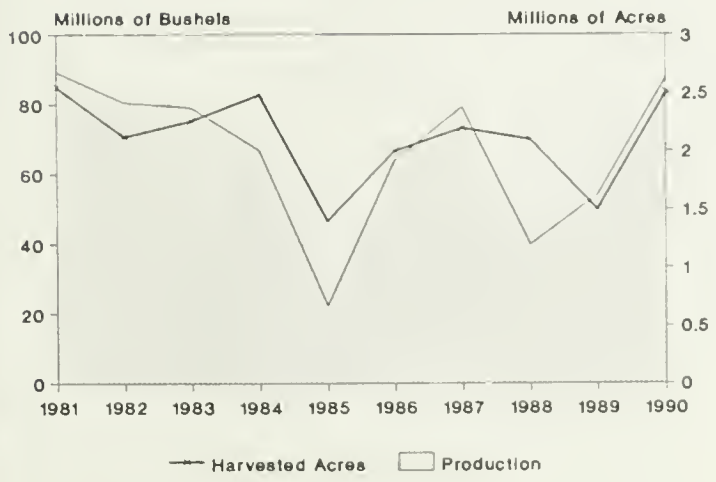
WINTER WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	2,700,000	2,550,000	35.0	89,250,000	3.63	323,978,000	127.05
1982	2,450,000	2,120,000	38.0	80,560,000	3.55	285,988,000	134.90
1983	2,550,000	2,260,000	35.0	79,100,000	3.57	282,387,000	124.95
1984	2,700,000	2,480,000	27.0	66,960,000	3.46	231,682,000	93.42
1985	2,460,000	1,400,000	16.0	22,400,000	3.28	73,472,000	52.48
1986	2,150,000	2,000,000	32.0	64,000,000	2.39	152,960,000	76.48
1987	2,300,000	2,200,000	36.0	79,200,000	2.66	210,672,000	95.76
1988	2,450,000	2,100,000	19.0	39,900,000	3.86	154,014,000	73.34
1989	2,500,000	1,500,000	36.0	54,000,000	3.73	201,420,000	134.28
1990	2,700,000	2,500,000	35.0	87,500,000	2.65	231,875,000	92.75

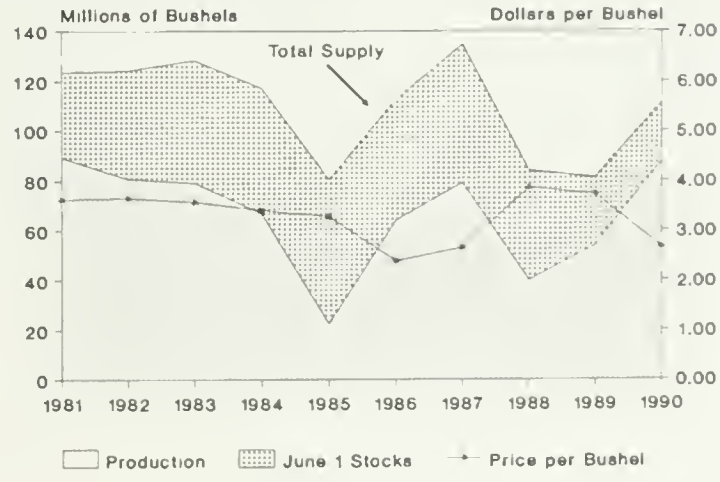
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	19,000	56.0	1,064,000	2,531,000	34.8	88,186,000
1982	13,000	56.5	735,000	2,107,000	37.9	79,825,000
1983	13,500	57.4	775,500	2,246,500	34.9	78,324,500
1984	19,000	56.0	1,064,000	2,461,000	26.8	65,896,000
1985	20,000	43.0	860,000	1,380,000	15.6	21,540,000
1986	15,000	61.0	915,000	1,985,000	31.8	63,085,000
1987	20,000	63.0	1,260,000	2,180,000	36.0	77,940,000
1988	23,000	50.0	1,150,000	2,077,000	19.0	38,750,000
1989	24,000	60.0	1,430,000	1,476,000	35.6	52,570,000
1990	26,000	60.0	1,560,000	2,474,000	34.7	85,940,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	2,491,000	35.0	87,066,000	40,000	28.0	1,120,000
1982	2,035,000	38.2	77,664,600	72,000	30.0	2,160,400
1983	2,206,500	35.0	77,336,500	40,000	24.7	988,000
1984	2,378,000	27.0	64,319,000	83,000	19.0	1,577,000
1985	1,289,000	15.9	20,448,000	91,000	12.0	1,092,000
1986	1,690,000	32.1	54,235,000	295,000	30.0	8,850,000
1987	1,915,000	37.0	69,940,000	265,000	30.0	8,000,000
1988	1,986,700	19.0	37,650,000	90,300	12.0	1,100,000
1989	1,326,000	36.0	47,870,000	150,000	31.0	4,700,000
1990	2,158,000	36.0	78,040,000	316,000	25.0	7,900,000

Montana Winter Wheat



Montana Winter Wheat



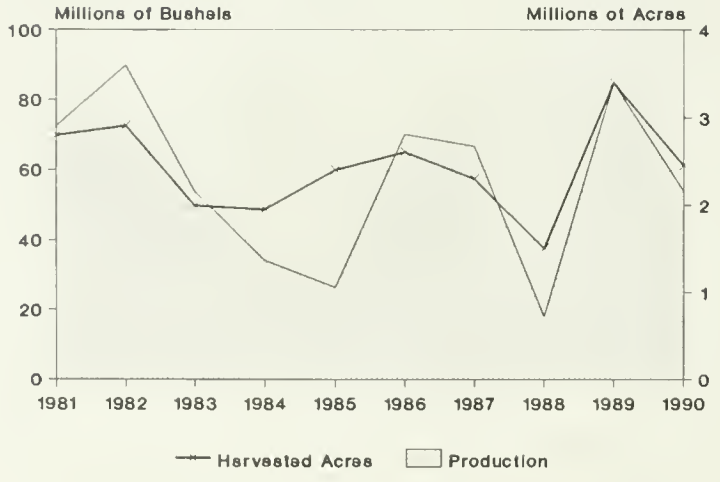
SPRING WHEAT EXCLUDING DURUM: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	2,850,000	2,790,000	26.0	72,540,000	3.76	272,750,000	97.76
1982	2,950,000	2,900,000	31.0	89,900,000	3.55	319,145,000	110.05
1983	2,050,000	1,990,000	27.0	53,730,000	3.85	206,861,000	103.95
1984	2,100,000	1,950,000	17.5	34,125,000	3.75	127,969,000	65.63
1985	3,000,000	2,400,000	11.0	26,400,000	3.64	96,096,000	40.04
1986	2,700,000	2,600,000	27.0	70,200,000	2.62	183,924,000	70.74
1987	2,400,000	2,300,000	29.0	66,700,000	2.78	185,426,000	80.62
1988	2,000,000	1,500,000	12.0	18,000,000	4.10	73,800,000	49.20
1989	3,500,000	3,400,000	25.0	85,000,000	3.64	309,400,000	91.00
1990	2,800,000	2,450,000	22.0	53,900,000	2.85	153,615,000	62.70

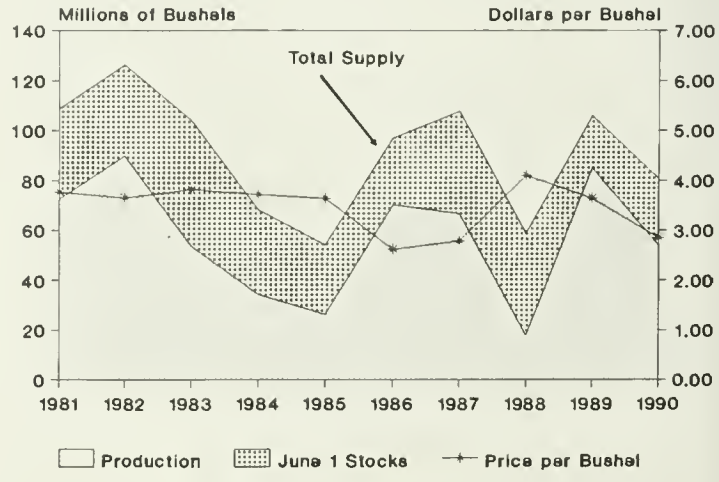
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	106,400	55.0	5,851,900	2,683,600	24.9	66,688,100
1982	86,000	58.6	5,039,600	2,814,000	30.2	84,860,400
1983	80,000	63.0	5,040,000	1,910,000	25.5	48,690,000
1984	93,000	55.0	5,115,700	1,857,000	15.6	29,009,300
1985	91,000	49.0	4,459,000	2,309,000	9.5	21,941,000
1986	96,000	55.0	5,280,000	2,504,000	25.9	64,920,000
1987	98,000	60.0	5,890,000	2,202,000	28.0	60,810,000
1988	85,000	43.0	3,650,000	1,415,000	10.0	14,350,000
1989	158,000	52.0	8,250,000	3,242,000	24.0	76,750,000
1990	155,000	53.0	8,215,000	2,295,000	19.9	45,685,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	2,541,700	25.2	63,992,300	141,900	19.0	2,695,800
1982	2,602,200	30.3	78,719,400	211,800	29.0	6,141,000
1983	1,750,000	26.0	45,500,000	160,000	19.9	3,190,000
1984	1,732,000	15.8	27,384,300	125,000	13.0	1,625,000
1985	2,194,000	9.6	21,067,000	115,000	7.6	874,000
1986	2,204,000	26.1	57,420,000	300,000	25.0	7,500,000
1987	1,932,000	28.0	53,510,000	270,000	27.0	7,300,000
1988	1,345,000	10.0	13,775,000	70,000	8.0	575,000
1989	2,872,000	24.0	68,950,000	370,000	21.0	7,800,000
1990	1,945,000	20.2	39,385,000	350,000	18.0	6,300,000

Montana Spring Wheat



Montana Spring Wheat



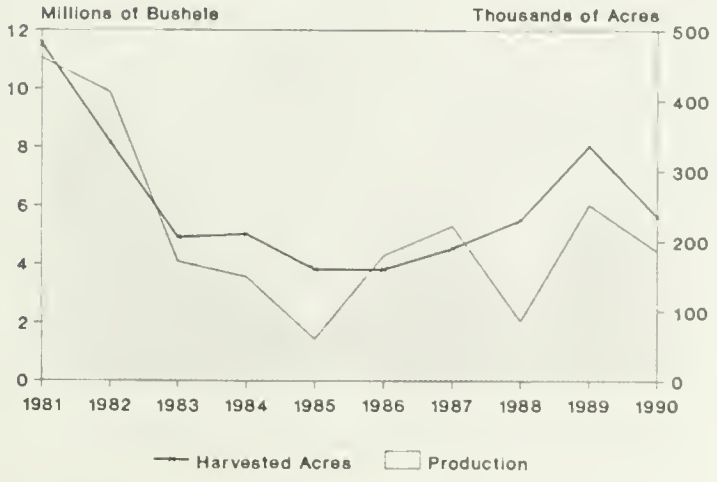
DURUM WHEAT: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	490,000	480,000	23.0	11,040,000	3.60	39,744,000	82.80
1982	350,000	340,000	29.0	9,860,000	3.49	34,411,000	101.21
1983	210,000	205,000	20.0	4,100,000	3.90	15,990,000	78.00
1984	215,000	210,000	17.0	3,570,000	3.57	12,745,000	60.69
1985	200,000	160,000	9.0	1,440,000	3.18	4,579,000	28.62
1986	165,000	160,000	27.0	4,320,000	2.75	11,880,000	74.25
1987	195,000	190,000	28.0	5,320,000	3.40	18,088,000	95.20
1988	280,000	230,000	9.0	2,070,000	5.20	10,764,000	46.80
1989	340,000	335,000	18.0	6,030,000	3.31	19,959,000	59.58
1990	245,000	235,000	19.0	4,465,000	2.90	12,949,000	55.10

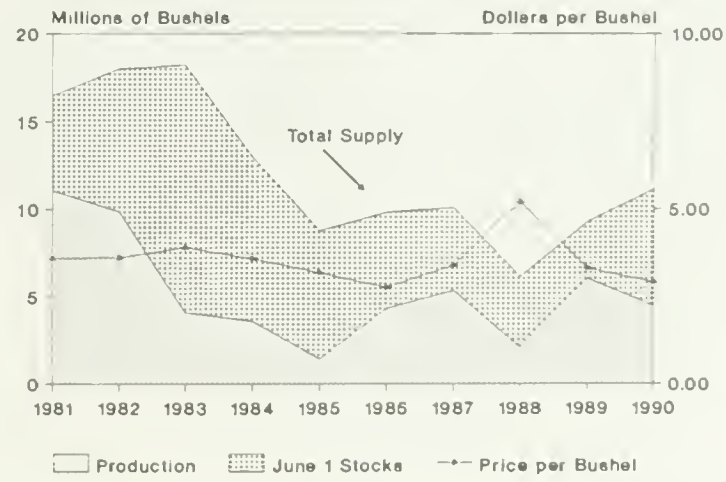
	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	4,000	46.0	184,000	476,000	22.8	10,856,000
1982	1,000	52.0	52,000	339,000	28.9	9,808,000
1983	3,200	46.1	147,500	201,800	19.6	3,952,500
1984	2,600	62.0	161,200	207,400	16.4	3,408,800
1985	3,500	24.0	84,000	156,500	8.7	1,356,000
1986	3,500	68.0	238,000	156,500	26.1	4,082,000
1987	3,000	59.0	177,000	187,000	28.0	5,143,000
1988	4,000	45.0	179,000	226,000	8.0	1,891,000
1989	4,500	53.0	240,000	330,500	18.0	5,790,000
1990	6,700	60.4	405,000	228,300	17.8	4,060,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	456,000	23.1	10,511,200	20,000	17.2	344,800
1982	307,500	29.2	8,972,700	31,500	26.5	835,300
1983	184,400	19.3	3,566,000	17,400	22.2	386,500
1984	200,400	16.6	3,317,800	7,000	13.0	91,000
1985	148,500	8.7	1,292,000	8,000	8.0	64,000
1986	141,500	26.2	3,707,000	15,000	25.0	375,000
1987	167,000	28.0	4,642,000	20,000	25.0	501,000
1988	213,000	8.0	1,796,000	13,000	7.0	95,000
1989	280,500	18.0	5,040,000	50,000	15.0	750,000
1990	203,300	17.9	3,635,000	25,000	17.0	425,000

Montana Durum Wheat



Montana Durum Wheat

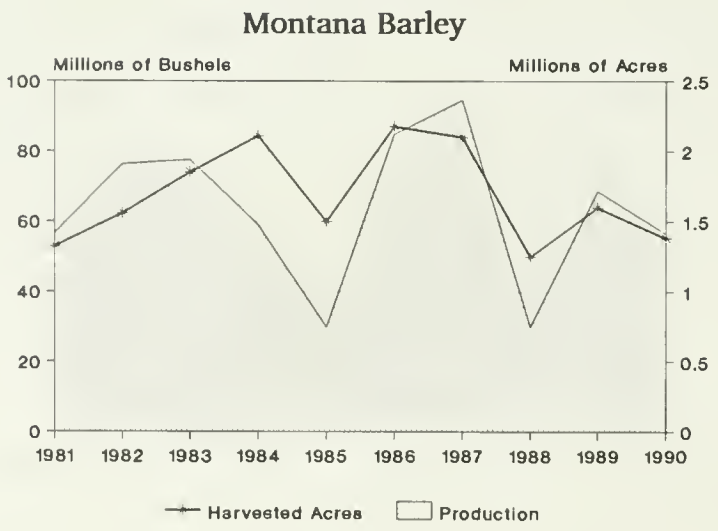


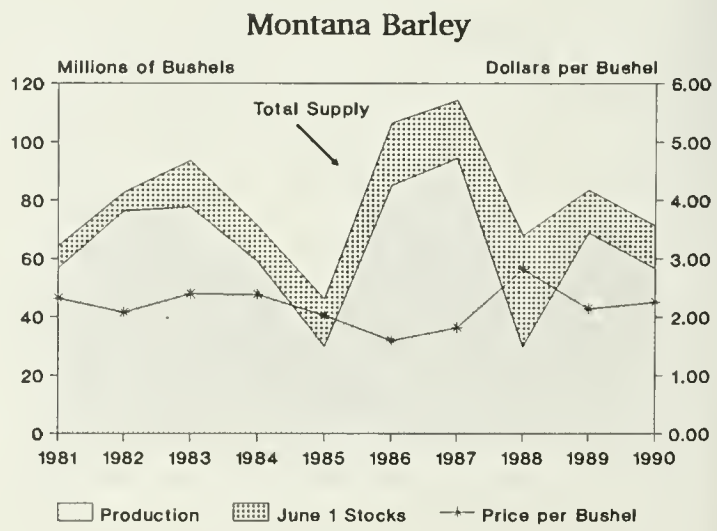
BARLEY: Acreage, Production, Price, Total Value and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	1,400,000	1,320,000	43.0	56,760,000	2.32	131,683,000	99.76
1982	1,650,000	1,560,000	49.0	76,440,000	2.06	157,466,000	100.94
1983	1,950,000	1,850,000	42.0	77,700,000	2.40	186,480,000	100.80
1984	2,320,000	2,110,000	28.0	59,080,000	2.41	142,383,000	67.48
1985	2,350,000	1,500,000	20.0	30,000,000	2.03	60,900,000	40.60
1986	2,400,000	2,180,000	39.0	85,020,000	1.60	136,032,000	62.40
1987	2,300,000	2,100,000	45.0	94,500,000	1.82	171,990,000	81.90
1988	1,800,000	1,250,000	24.0	30,000,000	2.82	84,600,000	67.68
1989	1,700,000	1,600,000	43.0	68,800,000	2.21	152,048,000	95.03
1990	1,600,000	1,380,000	41.0	56,580,000	2.25	127,305,000	92.25

	IRRIGATED			TOTAL NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	195,000	65.0	12,675,000	1,125,000	39.2	44,085,000
1982	190,200	71.4	13,575,100	1,369,800	45.9	62,864,900
1983	207,100	73.0	15,108,100	1,642,900	38.1	62,591,900
1984	225,000	65.0	14,625,000	1,885,000	23.6	44,455,000
1985	170,000	63.0	10,710,000	1,330,000	14.5	19,290,000
1986	215,000	72.0	15,480,000	1,965,000	35.4	69,540,000
1987	219,000	75.0	16,400,000	1,881,000	42.0	78,100,000
1988	215,000	59.0	12,700,000	1,035,000	17.0	17,300,000
1989	250,000	66.0	16,600,000	1,350,000	39.0	52,200,000
1990	275,000	74.4	20,450,000	1,105,000	32.7	36,130,000

	NON-IRRIGATED SUMMERFALLOW			NON-IRRIGATED CONTINUOUSLY CROPPED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	882,700	39.4	34,816,200	242,300	38.3	9,268,800
1982	845,600	48.1	40,645,000	524,200	42.4	22,219,900
1983	1,096,400	39.5	43,320,900	546,500	35.3	19,271,000
1984	1,291,000	24.3	31,387,000	594,000	22.0	13,068,000
1985	990,000	15.0	14,870,000	340,000	13.0	4,420,000
1986	1,250,000	35.6	44,515,000	715,000	35.0	25,025,000
1987	1,226,000	44.0	53,600,000	655,000	37.0	24,500,000
1988	835,000	18.0	14,770,000	200,000	13.0	2,530,000
1989	845,000	39.0	33,153,000	505,000	38.0	19,047,000
1990	575,000	34.9	20,080,000	530,000	30.3	16,050,000





OATS: Acreage, Production, Price, Total Value and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested for Grain	Yield Per Acre	Total	Price Per Bu.	Value of Production	Value Per Acre
			--Bushels--			--Dollars--	
1981	220,000	110,000	44.0	4,840,000	1.89	9,148,000	83.16
1982	260,000	150,000	51.0	7,650,000	1.53	11,705,000	77.01
1983	210,000	120,000	44.0	5,280,000	1.58	8,342,000	69.52
1984	220,000	105,000	37.0	3,885,000	1.77	6,876,000	65.49
1985	225,000	70,000	33.0	2,310,000	1.50	3,465,000	49.50
1986	200,000	90,000	46.0	4,140,000	1.37	5,672,000	63.02
1987	235,000	110,000	55.0	6,050,000	1.49	9,015,000	81.95
1988	210,000	90,000	31.0	2,790,000	2.26	6,305,000	70.06
1989	250,000	145,000	46.0	6,670,000	1.42	9,471,000	65.32
1990	160,000	70,000	40.0	2,800,000	1.05	2,940,000	42.00

	IRRIGATED			NON-IRRIGATED		
	Harvested for Grain	Yield Per Acre	Production	Harvested for Grain	Yield Per Acre	Production
	--Acres--	--Bushels--		--Acres--	--Bushels--	
1981	24,000	69.0	1,656,000	86,000	37.0	3,184,000
1982	32,000	72.4	2,315,400	118,000	45.2	5,334,600
1983	24,300	74.9	1,819,200	95,700	36.2	3,460,800
1984	27,000	60.0	1,620,000	78,000	29.0	2,265,000
1985	21,000	61.0	1,281,000	49,000	21.0	1,029,000
1986	24,000	70.0	1,680,000	66,000	37.3	2,460,000
1987	21,000	81.0	1,700,000	89,000	49.0	4,350,000
1988	24,000	68.0	1,620,000	66,000	18.0	1,170,000
1989	36,000	74.0	2,670,000	109,000	37.0	4,000,000
1990	20,000	70.0	1,400,000	50,000	28.0	1,400,000

ALFALFA SEED: Estimates by Agricultural Statistics Districts, 1989

	IRRIGATED			NON-IRRIGATED			TOTAL		
District	Acres	Production	Yield	Acres	Production	Yield	Acres	Production	Yield
Northwest	100	20,000	200	0	0	0	100	20,000	200
North Central	1,000	190,000	190	300	16,000	53	1,300	206,000	158
Northeast	300	54,000	180	800	37,000	46	1,100	91,000	83
Central	800	187,000	234	300	15,000	50	1,100	202,000	184
Southwest	400	50,000	125	100	12,000	120	500	57,000	114
South Central	2,800	973,000	348	100	5,000	50	2,900	978,000	337
Southeast	1,400	488,000	349	1,600	203,000	127	3,000	696,000	232
MONTANA	6,800	1,962,000	289	3,200	288,000	90	10,000	2,250,000	225

ALFALFA SEED: Estimates by Agricultural Statistics Districts, 1990

	IRRIGATED			NON-IRRIGATED			TOTAL		
District	Acres	Production	Yield	Acres	Production	Yield	Acres	Production	Yield
Northwest	100	30,000	300	0	0	0	100	30,000	300
North Central	1,100	583,000	530	1,200	110,000	92	2,300	693,000	301
Northeast	400	100,000	250	1,000	90,000	90	1,400	190,000	136
Central	1,300	546,000	420	2,000	252,000	126	3,300	798,000	242
Southwest	200	66,000	330	100	11,000	110	300	77,000	257
South Central	3,500	2,150,000	614	1,600	210,000	131	5,100	2,360,000	463
Southeast	1,900	1,145,000	603	11,600	1,597,000	138	13,500	2,742,000	203
MONTANA	8,500	4,620,000	544	17,500	2,270,000	130	26,000	6,890,000	265

CORN: Acreage, Production, Price, Total Value, 1981-1990

	TOTAL PLANTED ACRES	HARVESTED FOR GRAIN					HARVESTED FOR SILAGE		
		Harvested Acres	Production Yield Per Acre	Production Total	Price Per Bu.	Value of Production	Harvested Acres	Production Yield Per Acre	Production Total
			--Bushels--		--Dollars--			--Tons--	
1981	86,000	10,000	85.0	850,000	3.28	2,788,000	71,000	17.0	1,207,000
1982	80,000	14,000	100.0	1,400,000	2.35	3,290,000	63,000	17.5	1,103,000
1983	65,000	13,000	105.0	1,365,000	3.20	4,368,000	44,000	18.0	792,000
1984	90,000	15,000	92.0	1,380,000	3.10	4,278,000	69,000	18.0	1,242,000
1985	84,000	11,000	95.0	1,045,000	2.80	2,926,000	69,000	19.0	1,311,000
1986	80,000	13,000	115.0	1,495,000	2.10	3,140,000	63,000	19.0	1,197,000
1987	80,000	15,000	105.0	1,575,000	2.20	3,465,000	64,000	18.0	1,152,000
1988	90,000	20,000	110.0	2,200,000	3.15	6,930,000	67,000	19.0	1,273,000
1989	80,000	4,000	80.0	320,000	2.60	832,000	75,000	18.0	1,350,000
1990	65,000	9,000	95.0	855,000	2.50	2,138,000	55,000	19.0	1,045,000

POTATOES: Acreage, Production, Price, Total Value, and Value Per Acre, Principally Irrigated, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested	Yield Per Acre	Total Cwt	Price Per Cwt	Value of Production	Value Per Acre
			--Cwt--			--Dollars--	
1981	7,500	7,400	235	1,739,000	8.00	13,912,000	1,880
1982	7,500	7,400	260	1,924,000	7.50	14,430,000	1,950
1983	7,300	7,200	250	1,800,000	9.20	16,560,000	2,300
1984	7,500	7,400	260	1,924,000	9.50	18,278,000	2,470
1985	7,900	7,000	270	1,890,000	8.75	16,538,000	2,363
1986	7,800	7,700	290	2,233,000	6.65	14,849,000	1,928
1987	8,000	7,900	300	2,370,000	5.65	13,391,000	1,695
1988	7,800	7,700	280	2,156,000	7.75	16,709,000	2,170
1989	8,200	8,100	275	2,228,000	8.25	18,381,000	2,269
1990	9,000	8,900	280	2,492,000	8.75	21,805,000	2,450

DRY BEANS: Acreage, Production, Price, Total Value, and Value Per Acre, Principally Irrigated, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested	Pounds Per Acre	Total Cwt	Price Per Cwt	Value of Production	Value Per Acre
						--Dollars--	
1981	14,000	13,000	1,680	218,000	16.50	3,597,000	276.69
1982	8,500	7,000	1,680	118,000	11.00	1,298,000	185.43
1983	3,000	2,800	1,320	37,000	18.00	666,000	237.86
1984	8,500	8,000	1,900	152,000	15.00	2,280,000	285.00
1985	3,400	3,000	1,900	57,000	17.00	969,000	323.00
1986	4,800	4,500	2,160	97,000	15.00	1,455,000	323.33
1987	5,800	5,700	2,190	125,000	12.00	1,500,000	263.16
1988	4,400	4,000	1,900	76,000	28.00	2,128,000	532.00
1989	6,000	5,900	2,200	130,000	27.50	3,575,000	605.93
1990	13,500	13,000	1,690	220,000	13.60	2,992,000	230.15

ALL HAY: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES	PRODUCTION		VALUE		
	Harvested	Yield Per Acre	Total	Price Per Ton Baled	Value of Production	Value Per Acre
		--Tons--			--Dollars--	
1981	2,380,000	2.09	4,964,000	48.50	240,754,000	101.16
1982	2,450,000	2.01	4,915,000	50.00	245,750,000	100.31
1983	2,170,000	1.86	4,041,000	63.00	254,583,000	117.32
1984	2,200,000	1.72	3,780,000	78.00	294,840,000	134.02
1985	1,950,000	1.42	2,760,000	84.50	233,220,000	119.60
1986	2,250,000	1.92	4,320,000	51.00	220,320,000	97.92
1987	2,200,000	1.91	4,210,000	45.00	189,450,000	86.11
1988	1,800,000	1.55	2,790,000	85.00	237,150,000	131.75
1989	2,350,000	1.90	4,470,000	69.50	310,665,000	132.20
1990	2,150,000	2.10	4,495,000	67.00	301,165,000	140.08

	IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Production
		--Tons--			--Tons--	
1981	1,277,000	2.64	3,367,500	1,103,000	1.45	1,596,500
1982	1,276,900	2.51	3,206,000	1,173,100	1.46	1,709,000
1983	1,118,000	2.47	2,762,000	1,052,000	1.22	1,279,000
1984	1,317,000	2.19	2,882,500	883,000	1.02	897,500
1985	1,200,000	1.93	2,310,000	750,000	.60	450,000
1986	1,115,000	2.57	2,869,000	1,135,000	1.28	1,451,000
1987	1,120,000	2.70	2,970,000	1,080,000	1.10	1,240,000
1988	1,150,000	2.10	2,430,000	650,000	.60	360,000
1989	1,175,000	2.60	3,085,000	1,175,000	1.20	1,385,000
1990	1,150,000	2.90	3,310,000	1,000,000	1.20	1,185,000

ALFALFA HAY: Acreage and Production, 1981-1990

	TOTAL			IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Production
		--Tons--			--Tons--			--Tons--	
1981	1,360,000	2.60	3,536,000	698,400	3.46	2,418,800	661,600	1.69	1,117,200
1982	1,350,000	2.50	3,375,000	699,000	3.22	2,251,600	651,000	1.73	1,123,400
1983	1,170,000	2.30	2,691,000	608,000	3.10	1,884,800	562,000	1.43	806,200
1984	1,150,000	2.10	2,415,000	650,000	2.85	1,852,400	500,000	1.13	562,600
1985	950,000	1.80	1,710,000	600,000	2.50	1,500,000	350,000	.60	210,000
1986	1,300,000	2.30	2,990,000	680,000	3.10	2,108,000	620,000	1.42	882,000
1987	1,300,000	2.20	2,860,000	700,000	3.10	2,200,000	600,000	1.10	660,000
1988	1,100,000	1.90	2,090,000	740,000	2.50	1,850,000	360,000	.70	240,000
1989	1,350,000	2.20	2,970,000	725,000	3.00	2,200,000	625,000	1.20	770,000
1990	1,350,000	2.50	3,375,000	750,000	3.40	2,550,000	600,000	1.40	825,000

OTHER HAY: Acreage and Production, 1981-1990 [1]

	TOTAL			IRRIGATED			NON-IRRIGATED		
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Production
		--Tons--			--Tons--			--Tons--	
1981	1,020,000	1.40	1,428,000	578,600	1.64	948,700	441,400	1.09	479,300
1982	1,100,000	1.40	1,540,000	577,900	1.65	954,400	522,100	1.12	585,600
1983	1,000,000	1.35	1,350,000	510,000	1.72	877,200	490,000	.96	472,800
1984	1,050,000	1.30	1,365,000	667,000	1.54	1,030,100	383,000	.87	334,900
1985	1,000,000	1.05	1,050,000	600,000	1.35	810,000	400,000	.60	240,000
1986	950,000	1.40	1,330,000	435,000	1.75	761,000	515,000	1.10	569,000
1987	900,000	1.50	1,350,000	420,000	1.80	770,000	480,000	1.20	580,000
1988	700,000	1.00	700,000	410,000	1.40	580,000	290,000	.40	120,000
1989	1,000,000	1.50	1,500,000	450,000	2.00	885,000	550,000	1.10	615,000
1990	800,000	1.40	1,120,000	400,000	1.90	760,000	400,000	.90	360,000

[1] Includes wild, clover-timothy, grain and other hay.

SWEET CHERRIES: Production, Price, and Value, 1981-1990

	PRODUCTION		VALUE	
	Production	Production Having Value	Average Price Per Ton	Value of Production
	--Tons--		--Dollars--	
1981	1,240	1,240	711.00	882,000
1982	3,400	3,100	624.00	1,934,000
1983	1,800	1,365	457.00	624,000
1984	2,300	1,400	666.00	932,000
1985	4,600	3,500	644.00	2,255,000
1986	1,600	1,000	480.00	480,000
1987	3,800	2,600	877.00	2,280,000
1988	3,300	1,900	548.00	1,042,000
1989 [1]	0	0	0	0
1990	280	150	1,670.00	250,000

[1] Freeze out, no commercial production.

SUGAR BEETS: Acreage, Production, Price, Total Value, and Value Per Acre, 1981-1990

	ACRES		PRODUCTION		VALUE		
	Planted	Harvested	Yield Per Acre	Total	Price Per Ton [1]	Value of Production [1]	Value Per Acre [1]
			--Tons--			--Dollars--	
1981	44,700	44,500	20.8	926,000	37.20	34,447,000	774
1982	43,100	43,000	19.8	850,000	42.40	36,040,000	838
1983	41,600	41,300	19.8	818,000	37.60	30,757,000	745
1984	25,200	24,600	16.9	416,000	35.50	14,768,000	600
1985	43,500	42,700	19.0	811,000	35.10	28,466,000	667
1986	47,200	46,800	21.7	1,016,000	39.10	39,726,000	849
1987	49,200	48,900	22.2	1,086,000	42.20	45,829,000	937
1988	49,600	48,900	21.1	1,032,000	45.20	46,646,400	954
1989	52,700	51,900	19.9	1,033,000	43.60	45,039,000	868
1990	55,200	55,100	22.5	1,240,000			

[1] Excludes Government payments.

STOCKS OF MAJOR GRAINS 1982-1991

Crop & Year	MARCH 1 [1] On Farm Total	MARCH 1 [1] Total All Positions [2]	JUNE 1 On Farm Total	JUNE 1 Total All Positions [2]	SEPTEMBER 1 [1] On Farm Total	SEPTEMBER 1 [1] Total All Positions [2]	DECEMBER 1 [1] On Farm Total	DECEMBER 1 [1] Total All Positions [2]
	--Thousand Bushels--							
ALL WHEAT								
1982	101,970	120,105	74,317	88,257	205,565	234,709	169,501	197,644
1983	113,602	138,576	91,963	113,774	167,055	203,575	130,084	161,030
1984	97,220	122,710	72,573	93,630	130,819	161,220	109,888	141,913
1985	80,584	110,454	66,979	93,105	81,891	114,841	69,331	104,513
1986	52,250	86,848	48,230	81,060	146,000	186,790	124,000	162,901
1987	85,000	120,521	60,000	101,210	165,000	217,608	129,000	172,624
1988	92,000	127,495	64,000	88,997	87,000	119,183	71,000	99,035
1989	51,000	73,448	39,000	51,095	150,000	174,265	114,000	142,119
1990	75,000	99,440	44,000	57,158	145,000	169,527	110,000	128,352
1991	73,000	95,331	48,000	65,000				
WINTER WHEAT								
1982	50,623	61,549	35,479	43,748	93,076	107,528	72,815	88,533
1983	43,161	57,515	37,829	49,354	92,428	111,946	69,915	86,169
1984	51,504	65,365	37,963	50,225	78,182	96,907	64,842	85,358
1985	44,620	64,091	40,610	57,980	46,928	68,344	37,027	59,760
1986	31,816	53,072	28,454	48,709	72,000	96,602	61,000	84,145
1987	41,000	62,242	31,000	55,466	83,000	114,590	65,000	89,964
1988	45,000	65,338	31,000	44,151	50,000	68,393	39,000	55,777
1989	25,500	38,691	20,500	27,078	52,000	64,130	43,000	52,957
1990	25,000	33,437	19,000	23,807	83,000	96,944	64,000	73,335
1991	42,000	53,080	28,000	37,200				
DURUM WHEAT								
1982	[3]	10,044	[3]	8,135	[3]	17,320	[3]	16,835
1983	[3]	14,594	[3]	14,111	[3]	13,453	[3]	12,588
1984	[3]	10,825	[3]	9,407	[3]	11,084	[3]	10,294
1985	[3]	9,298	[3]	7,303	[3]	6,323	[3]	6,043
1986	[3]	5,610	[3]	5,488	[3]	9,175	[3]	7,775
1987	[3]	6,649	[3]	4,748	[3]	10,374	[3]	8,644
1988	[3]	6,368	[3]	4,067	[3]	5,263	[3]	4,103
1989	[3]	3,322	[3]	3,234	[3]	9,020	[3]	8,092
1990	[3]	7,667	[3]	6,656	[3]	8,889	[3]	6,865
1991	[3]	5,922	[3]	5,300	[3]		[3]	
ALL SPRING WHEAT								
1982	51,347	58,556	38,838	44,509	112,489	127,181	96,686	109,111
1983	70,441	81,061	54,134	64,420	74,627	91,629	60,169	74,861
1984	45,716	57,345	34,610	43,405	52,637	64,313	45,046	56,555
1985	35,964	46,363	26,369	35,125	34,963	46,497	32,304	44,753
1986	20,434	33,776	19,776	32,351	74,000	90,188	63,000	78,756
1987	44,000	58,279	29,000	45,744	82,000	103,018	64,000	82,660
1988	47,000	62,157	33,000	44,846	37,000	50,790	32,000	43,258
1989	25,500	34,757	18,500	24,017	98,000	110,135	71,000	89,162
1990	50,000	66,003	25,000	33,351	62,000	72,583	46,000	55,017
1991	31,000	42,251	20,000	27,800				
OATS								
1982	2,178	2,478	1,694	1,877	8,033	8,485	6,885	7,308
1983	4,055	4,388	3,443	3,679	6,072	6,369	5,386	5,695
1984	3,115	3,553	2,165	2,289	4,740	4,867	4,351	4,497
1985	2,448	2,568	1,709	1,812	3,003	3,383	2,495	2,895
1986	[3]	[3]	993	1,343	[3]	[3]	[3]	[3]
1987	[3]	[3]	1,200	1,360	[3]	[3]	[3]	[3]
1988	[3]	[3]	2,500	2,645	[3]	[3]	[3]	[3]
1989	[3]	[3]	1,400	1,550	[3]	[3]	[3]	[3]
1990	5,200	5,400	2,500	2,662	5,200	5,700	4,600	4,689
1991	3,000	3,060	1,500	1,560				
BARLEY								
1982	13,622	15,972	5,108	6,185	62,681	67,681	45,864	50,591
1983	28,283	33,212	12,995	15,985	60,606	68,925	37,296	42,962
1984	17,094	22,413	10,101	12,251	49,036	56,003	38,402	45,184
1985	20,678	25,421	12,998	16,280	30,000	39,098	27,600	32,811
1986	[3]	[3]	12,900	21,502	[3]	[3]	[3]	[3]
1987	[3]	[3]	14,000	19,964	84,000	94,175	65,000	74,891
1988	42,000	51,607	30,000	37,931	33,000	44,364	26,000	37,739
1989	17,000	23,924	10,000	14,856	60,000	67,503	45,000	54,955
1990	27,000	36,000	10,000	14,840	50,000	57,000	34,000	40,117
1991	15,000	20,394	9,000	12,100				

[1] Quarters prior to September 1, 1986 were January 1, April 1, June 1, and October 1.
[2] Includes farm stock at mills, elevators, warehouses, terminals, processors and stocks owned by Commodity Credit Corporation.
[3] Data not available for publication.

WHEAT: Shipped Out of State by Class and Destination, 1981-1990

YEAR [2]	ALL WHEAT				WINTER WHEAT				SPRING WHEAT [1]			
	East	West	Other [3]	Total	East	West	Other [3]	Total	East	West	Other [3]	Total
	--Thousand Bushels--				--Thousand Bushels--				--Thousand Bushels--			
1981	3,949	94,646	724	99,319	1,783	46,239	331	48,353	2,166	48,407	393	50,966
1982	2,627	120,264	806	123,697	672	61,045	130	61,847	1,955	59,219	676	61,850
1983	4,289	113,142	1,481	118,912	909	51,154	203	52,266	3,380	61,988	1,278	66,646
1984	2,368	81,667	1,948	85,983	636	44,743	512	45,891	1,732	36,924	1,436	40,092
1985	3,822	49,698	2,736	56,256	578	21,073	204	21,855	3,244	28,625	2,532	34,401
1986	2,653	92,793	2,773	98,219	743	45,486	858	47,087	1,910	47,307	1,915	51,132
1987	2,799	133,102	2,189	138,090	624	71,547	724	72,895	2,175	61,555	1,465	65,195
1988	1,025	72,609	1,002	74,636	270	39,898	538	40,706	755	32,710	465	33,930
1989	1,612	96,820	937	99,369	301	45,934	284	46,519	1,311	50,886	653	52,850
1990	2,056	97,281	2,693	102,030	546	48,014	177	48,737	1,510	49,267	2,516	53,293

[1] Includes durum wheat.
[2] Crop year June through May.
[3] Other and unknown.

WHEAT: Shipped Out of State By Class, District, Mode, and Destination [1], June 1989-May 1991

DISTRICT OF ORIGIN, MODE, & DESTINATION	JUNE 1989-MAY 1990			JUNE 1990-MAY 1991		
	Winter Wheat	Spring Wheat [2]	All Wheat	Winter Wheat	Spring Wheat [2]	All Wheat
	--Thousand Bushels--			--Thousand Bushels--		
WEST [3]	818	2,239	3,057	1,008	3,949	4,957
NORTH CENTRAL	17,845	31,618	49,463	26,206	32,937	59,143
NORTHEAST	1,892	11,393	13,285	841	10,984	11,825
CENTRAL	15,108	4,897	20,005	11,149	3,204	14,353
SOUTH CENTRAL	8,492	1,220	9,712	8,401	1,205	9,606
SOUTHEAST	2,364	1,483	3,847	1,132	1,014	2,146
STATE						
Truck East	103	203	306	98	213	311
Truck West	5,766	4,425	10,191	4,509	4,475	8,984
Truck Other [4]	127	183	310	133	513	646
Total by Truck	5,996	4,811	10,807	4,740	5,201	9,941
Rail East	198	1,109	1,307	448	1,297	1,745
Rail West	40,168	46,461	86,629	43,505	44,792	88,297
Rail Other [4]	157	469	626	44	2,003	2,047
Total by Rail	40,523	48,039	88,562	43,997	48,092	92,089
Total Wheat Shipped	46,519	52,850	99,369	48,737	53,293	102,030

[1] Based on data reported by commercial elevators and licensed truckers. Reported data were expanded to represent 100 percent of elevator capacity.
[2] Includes durum wheat.
[3] Northwest and Southwest combined to avoid disclosure of individual operations.
[4] Other and unknown.

NOTE: Funding for the above statistics was provided by the Montana Wheat & Barley Committee.

ALL WHEAT: Production, Stocks, and Utilization, By Marketing Years 1985-1989

SUPPLY	1985	1986	1987	1988	1989
			--Million Bushels--		
Beginning stocks [1]	93.1	81.1	101.2	89.0	51.1
Production	50.2	138.5	151.2	60.0	145.0
Total Supply	143.3	219.6	252.4	149.0	196.1
DISPOSITION					
Recorded movement out of State [2]	56.3	98.2	138.1	74.6	99.4
Milled for flour in Montana	[5]	[5]	[5]	[5]	[5]
Used for seed in Montana	4.9	4.8	4.6	6.2	5.6
Used for livestock feed [3]	8.4 [5]	8.5 [5]	9.0 [5]	8.0 [5]	9.0 [5]
Unaccounted disappearance (to balance) [4]	-7.4	6.9	11.7	9.1	24.9
Total Disposition	62.2	118.4	163.4	97.9	138.9
Ending Stocks [1]	81.1	101.2	89.0	51.1	57.2

[1] Farm, commercial--June 1 stocks.
[2] Reported by elevators, licensed truckers and special survey of truck destinations and barge traffic.
[3] Utilization for feed--on farms where grown, cattle feeders, feed mills and purchased by other farmers for feed.
[4] Due to unknowns in components, probably most is unrecorded truck movement.
[5] Milled for flour combined with livestock feed to avoid individual disclosure.

ALL WHEAT: Movement to Pacific Northwest, Utilization, and Exports [1], By Marketing Years [2], 1985-1989

ITEM	1985	1986	1987	1988	1989
			--Million Bushels--		
Beginning Stocks [3]	93.1	81.1	101.2	89.0	51.1
Production	50.2	138.5	151.2	60.0	145.0
Ending Stocks	-81.1	-101.2	-89.0	-51.1	-57.2
Total Disposition [4]	62.2	118.4	163.4	97.9	138.9
Shipments of wheat into Pacific Northwest [5] (adjusted for unaccounted disappearance)	45.5	94.1	137.8	75.8	116.2
Estimated Montana wheat milled for flour in Pacific Northwest (includes bulgar) [6]	18.4	20.0	22.5	21.5	23.0
Estimated Montana wheat exported from Pacific Northwest ports [7]	27.1	79.3	115.3	54.3	93.2
Percent of total disposition	44%	67%	71%	55%	67%
Inspected exports of Hard Red Spring, Hard Red Winter and Durum from Pacific Northwest ports	154.2	167.8	225.8	193.7	195.0
Montana exports as percent of total HRS, HRW and Durum exports from Pacific Northwest ports	18%	47%	51%	28%	48%

[1] Pacific Northwest--Oregon and Washington.
[2] June 1 - May 31.
[3] June 1 stocks.
[4] Beginning stocks plus production minus ending stocks.
[5] Source: Montana Grain Movement project.
[6] Total Pacific Northwest wheat millings minus estimated wheat originating from Oregon, Washington or other states.
[7] Estimated Montana wheat shipped to Pacific Northwest minus estimated Montana wheat milled in Pacific Northwest.

NOTE: Funding for the above statistics was provided by the Montana Wheat & Barley Committee.

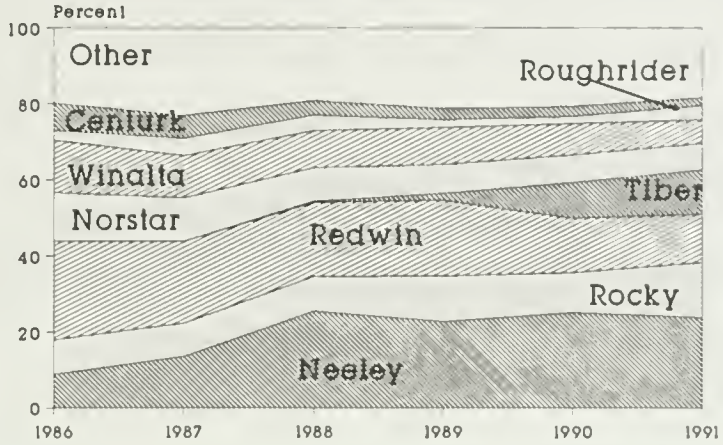
MONTANA WHEAT VARIETIES: Percent of Total Seeded Acreage 1986-1991 & Seeded Acreage 1990 [1]-1991 [2]

CLASS & VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACREAGE	
	1986	1987	1988	1989	1990	1991	1990 [1]	1991 [2]
							--(000)--	
WINTER WHEAT								
Neeley	9.0	13.7	25.5	22.8	25.7	23.8	693.2	560.1
Rocky	9.0	8.7	9.0	12.0	9.9	14.2	266.5	332.9
Redwin	25.9	21.5	19.6	19.8	14.5	13.0	391.3	306.2
Tiber	--	--	0.3	1.9	9.5	11.8	256.5	278.3
Norstar	12.7	11.3	8.7	7.6	6.9	6.8	185.9	159.0
Winalta	13.8	11.2	9.8	9.7	8.0	6.0	214.7	139.9
Roughrider	2.6	4.5	4.1	2.0	1.9	3.7	50.5	88.1
Centurk	7.2	6.1	3.8	3.0	2.7	2.3	72.2	55.0
Cree	2.6	4.2	2.9	3.1	3.9	2.0	104.2	46.6
Thunderbird	--	0.2	0.4	0.5	1.1	1.9	29.5	44.4
Weston	0.8	1.0	1.1	1.6	1.6	1.7	42.3	40.7
Cheyenne	2.4	3.4	1.7	1.4	1.8	1.2	49.1	28.6
Norwin	--	0.8	2.2	1.3	0.7	0.8	19.6	19.9
Judith	--	--	--	--	0.1	0.8	3.6	19.3
Hawk	0.4	0.2	0.6	1.2	0.7	0.8	19.8	19.3
Bighorn	--	0.1	0.1	0.3	0.6	0.8	16.4	18.1
Agassiz	0.1	1.0	1.1	1.1	0.8	0.7	20.6	16.5
Vona	0.4	0.5	0.3	0.4	0.5	0.6	12.5	15.2
Other & Unknown	13.1	11.6	8.8	10.3	9.1	6.9	251.6	162.0
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2700.0	2350.0
SPRING WHEAT								
Lew	11.5	10.4	10.4	10.2	10.7	14.5	300.3	375.7
Rambo	--	0.4	6.6	9.0	15.5	14.3	434.3	372.7
Newana	22.9	21.0	16.2	19.7	16.6	13.5	463.5	351.9
Amidon (ND 606)	--	--	--	0.6	4.7	11.6	132.9	301.3
Len	11.9	11.3	15.1	15.2	12.7	11.2	356.8	291.4
Fortuna	18.2	19.7	11.8	14.6	9.0	8.4	250.9	219.3
Stoa	4.4	4.2	10.3	7.9	10.0	7.7	280.2	200.8
Olaf	5.7	5.7	5.9	5.8	4.5	3.4	125.6	89.1
Butte	2.5	1.9	0.8	0.4	0.4	1.9	10.4	48.8
Glenman	0.3	1.7	1.1	2.4	1.4	1.6	38.3	40.4
Tioga	1.5	3.8	3.1	1.1	1.4	1.1	38.3	27.9
Northrup King	3.3	1.8	0.9	0.5	1.3	0.8	36.6	21.6
Pondera	1.9	3.0	1.8	2.4	2.2	0.8	62.1	20.5
Westbred 926	--	--	0.1	0.1	0.3	0.8	9.2	20.0
Cutlass	--	0.2	1.1	0.5	0.7	0.6	20.3	16.8
Solar	--	1.3	0.6	0.4	0.6	0.5	17.9	12.7
Pioneer	--	--	--	0.1	0.1	0.4	2.4	11.3
Leader	0.8	1.5	0.9	1.1	0.7	0.4	20.3	11.1
Unknown	15.1	12.1	13.3	8.2	7.2	6.4	199.7	166.5
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	99.9	2800.0	2600.0
DURUM WHEAT								
Vic	29.6	52.1	29.7	27.4	24.0	15.5	58.7	27.9
Monroe	--	0.3	6.1	8.3	14.3	14.1	34.9	25.4
Ward	19.5	12.3	17.0	18.5	10.2	14.0	25.0	25.3
Medora	--	1.4	8.6	7.8	19.0	14.0	46.5	25.1
Westbred Laker	0.3	3.0	4.0	15.2	12.7	12.7	31.2	22.8
Renville	--	--	--	--	0.6	6.0	1.4	10.8
Lloyd	16.6	4.1	6.6	4.6	1.4	5.4	3.5	9.7
Crosby	8.3	9.9	14.7	6.3	4.3	4.3	10.5	7.7
Rugby	--	--	--	--	--	2.5	--	4.5
Wells	1.0	1.2	1.2	0.2	0.3	1.0	0.6	1.7
Wakooma	--	--	0.7	1.3	4.0	0.2	9.8	0.4
Cando	1.9	3.4	1.8	6.6	1.8	0.2	6.0	0.4
Other and Unknown	22.8	12.3	9.6	3.8	7.4	10.1	16.9	18.3
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	245.0	180.0

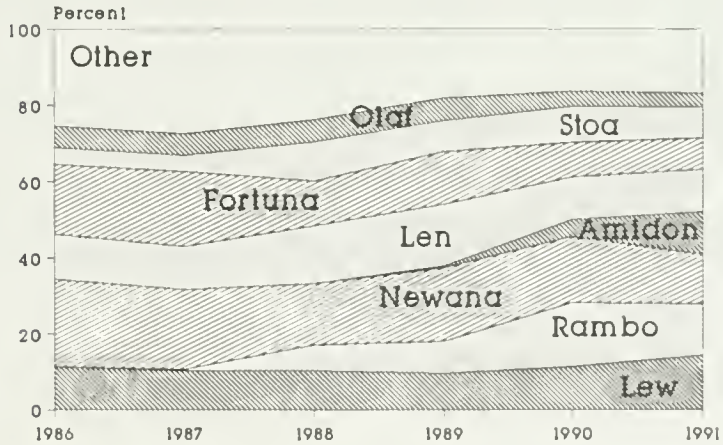
[1] Revised [2] Preliminary

NOTE: Funding for wheat varieties was provided by the Montana Wheat & Barley Committee.

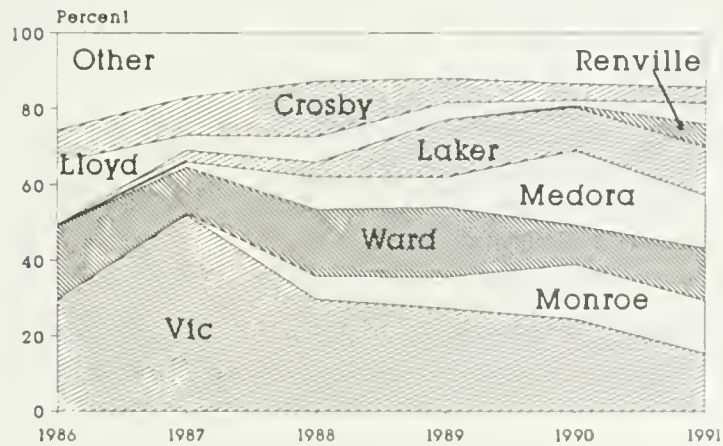
Winter Wheat Varieties, Montana, 1986-1991
Major Varieties as a Percent of Total Acreage



Spring Wheat Varieties, Montana, 1986-1991
Major Varieties as a Percent of Total Acreage



Durum Wheat Varieties, Montana, 1986-1991
Major Varieties as a Percent of Total Acreage



MONTANA BARLEY VARIETIES: Percent of Total Seeded Acreage 1986-1991 & Seeded Acreage 1990 [1]-1991 [2]

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACREAGE	
	1986	1987	1988	1989	1990	1991	1990 [1]	1991 [2]
							--(000)--	
Hector	33.9	31.9	31.8	29.8	22.9	25.8	365.6	465.1
Harrington [3]	1.9	9.4	10.5	15.6	22.7	24.2	362.5	435.7
Piroline	18.7	13.0	11.3	7.3	7.4	6.7	118.5	121.3
Gallatin	--	0.1	2.6	6.0	5.4	5.8	86.8	103.6
Morex [3]	0.8	1.2	1.9	2.3	4.1	4.8	65.8	87.1
Bowman	1.7	2.9	5.1	3.0	2.7	4.6	43.1	82.8
Clark [3]	16.7	10.9	6.7	7.2	4.7	4.3	75.7	77.2
AB Varieties	--	--	0.6	2.7	5.0	3.8	80.5	67.5
Klages [3]	11.5	14.6	11.0	9.8	7.2	3.2	114.8	57.2
Lewis	0.6	1.8	3.2	2.4	2.1	2.9	33.9	53.0
Horsford	0.7	0.8	0.7	1.6	1.8	2.5	28.0	45.8
Menuet	1.8	2.2	1.7	1.1	1.2	1.9	19.3	34.3
Moravian III [3]	0.4	0.5	1.0	1.2	2.5	1.8	40.0	32.0
Kimberly	1.1	2.7	2.5	2.4	1.8	1.1	29.6	20.1
Unitan	0.7	0.5	0.6	0.6	0.8	0.8	12.7	13.9
Russell	--	--	0.2	0.3	1.1	0.5	18.2	8.4
Waxbar	--	--	--	0.1	0.2	0.2	3.4	4.1
Bearpaw	--	--	--	--	--	0.2	--	3.6
Compana	0.6	0.9	1.1	0.8	0.2	0.2	3.0	3.3
Betzes	0.1	0.3	0.1	--	0.1	0.2	1.5	3.2
Unknown	8.8	6.2	7.6	5.8	6.1	4.5	97.1	80.8
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	1600.0	1800.0

[1] Revised [2] Preliminary [3] American Malting Barley Improvement Association, Inc. recommended malting varieties for Montana.

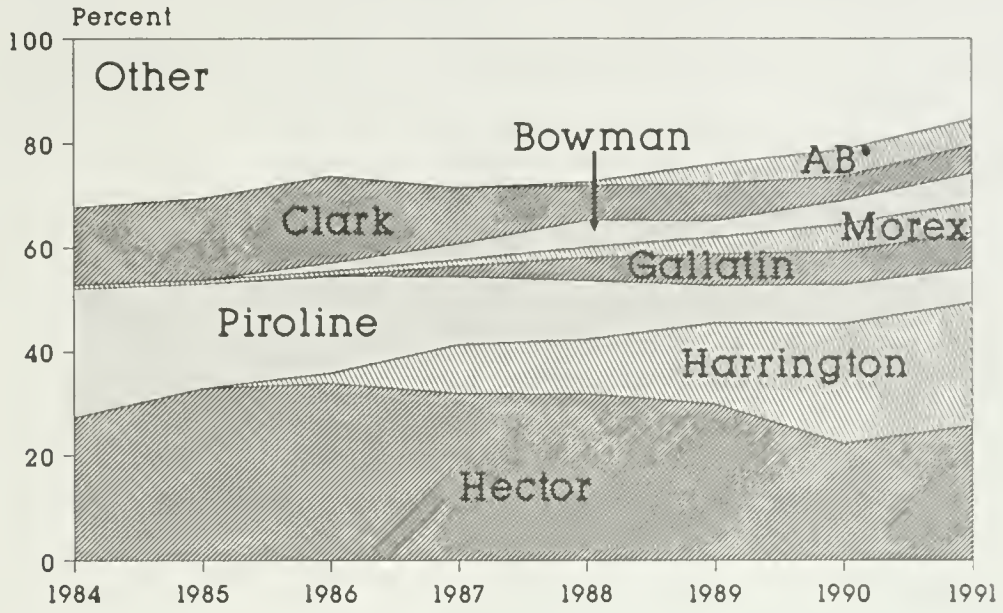
MONTANA BARLEY VARIETIES: Seeded Acreage and Percent of Total By Districts, 1991 [1]

Variety	Northwest		N. Central		Northeast		Central		Southwest		S. Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Hector	--	--	151.0	18.4	171.4	54.4	91.1	30.4	0.5	0.5	23.0	18.4	28.1	37.5	465.1	25.8
Harrington [2]	2.5	3.8	331.6	40.4	14.0	4.4	76.1	25.4	--	--	11.5	9.2	--	--	435.7	24.2
Piroline	0.8	1.2	79.4	9.7	10.0	3.2	22.9	7.6	--	--	2.1	1.7	6.1	8.1	121.3	6.7
Gallatin	15.4	23.7	23.0	2.8	1.3	0.4	34.7	11.6	16.7	16.7	6.0	4.8	6.5	8.7	103.6	5.8
Morex [2]	3.3	5.1	39.7	4.8	3.8	1.2	7.4	2.5	21.3	21.3	11.6	9.3	--	--	87.1	4.8
Bowman	--	--	2.4	0.3	56.1	17.8	0.3	0.1	--	--	9.9	7.9	14.1	18.8	82.8	4.6
Clark [2]	4.5	6.9	5.3	0.6	19.8	6.3	24.6	8.2	14.8	14.8	4.6	3.7	3.6	4.8	77.2	4.3
AB Varieties	--	--	63.0	7.7	--	--	--	--	--	--	4.5	3.6	--	--	67.5	3.8
Klages [2]	0.6	0.9	40.1	4.9	0.2	0.1	8.7	2.9	7.4	7.4	0.2	0.2	--	--	57.2	3.2
Lewis	4.5	6.9	13.8	1.7	6.1	1.9	20.8	6.9	5.1	5.1	2.7	2.2	--	--	53.0	2.9
Horsford	4.7	7.2	3.5	0.4	1.5	0.5	3.2	1.1	15.9	15.9	11.3	9.0	5.7	7.6	45.8	2.5
Menuet	21.8	33.5	0.9	0.1	4.4	1.4	--	--	6.7	6.7	0.5	0.4	--	--	34.3	1.9
Moravian III [2]	--	--	13.4	1.6	--	--	--	--	--	--	18.6	14.9	--	--	32.0	1.8
Kimberly	--	--	20.1	2.5	--	--	--	--	--	--	--	--	--	--	20.1	1.1
Unitan	0.3	0.5	--	--	10.7	3.4	0.4	0.1	1.2	1.2	0.8	0.6	0.5	0.7	13.9	0.8
Russell	2.0	3.1	5.3	0.6	--	--	1.1	0.4	--	--	--	--	--	--	8.4	0.5
Waxbar	--	--	2.2	0.3	--	--	--	--	1.9	1.9	--	--	--	--	4.1	0.2
Bearpaw	--	--	3.4	0.4	--	--	--	--	0.2	0.2	--	--	--	--	3.6	0.2
Compana	--	--	--	--	0.5	0.2	--	--	--	--	1.5	1.2	1.3	1.7	3.3	0.2
Betzes	--	--	--	--	--	--	--	--	--	--	3.2	2.6	--	--	3.2	0.2
Unknown	4.6	7.1	21.9	2.7	15.2	4.8	8.7	2.9	8.3	8.3	13.0	10.4	9.1	12.1	80.8	4.5
ALL VARIETIES	65.0	100.0	820.0	100.0	315.0	100.0	300.0	100.0	100.0	100.0	125.0	100.0	75.0	100.0	1800.0	100.0

[1] Preliminary [2] American Malting Barley Improvement Association, Inc. recommended malting varieties for Montana.

NOTE: Funding for barley varieties was provided by the American Malting Barley Association and the Montana Wheat & Barley Committee.

Barley Varieties, Montana, 1984-1991
Major Varieties as a Percent of Total Acreage



* AB varieties combined.

MARKETINGS OF MAJOR CROPS: Estimated Percent of Farm Sales, Monthly, 1984-85 to 1989-90

Marketing Year:	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
ALL WHEAT						--Percent--						
1984-85	5	12	11	9	6	8	9	7	7	8	10	8
1985-86	3	8	9	10	9	12	13	5	7	7	7	10
1986-87	4	7	10	6	7	11	10	10	10	8	8	9
1987-88	5	10	9	11	6	8	13	9	8	7	7	7
1988-89	8	12	7	7	7	10	13	8	9	6	7	6
1989-90	3	7	8	9	11	11	11	8	7	9	9	7
BARLEY						--Percent--						
1984-85	5	18	13	13	9	6	8	4	6	5	7	6
1985-86	8	9	10	7	6	9	15	6	6	9	7	8
1986-87	4	6	8	10	10	12	13	16	12	4	2	3
1987-88	4	9	11	10	6	11	14	6	10	6	6	7
1988-89	14	14	9	7	8	7	11	5	7	8	6	4
1989-90	2	7	6	8	7	8	12	10	12	10	10	8
OATS						--Percent--						
1984-85	6	7	12	8	6	14	8	5	6	13	7	8
1985-86	9	11	13	12	1	3	8	5	11	18	7	12
1986-87	6	8	11	10	9	17	3	12	8	6	6	4
1987-88	2	8	11	14	8	12	11	9	7	4	8	6
1988-89	10	22	8	6	11	5	5	7	11	6	5	4
1989-90	10	7	14	11	5	6	9	10	7	6	9	6

Marketing Year:	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
ALL HAY						--Percent--						
1984-85	3	9	6	9	10	11	13	11	9	10	6	3
1985-86	5	11	6	8	9	10	13	10	9	9	7	3
1986-87	3	6	10	5	10	12	12	10	9	10	5	8
1987-88	2	7	9	5	9	11	13	9	10	11	7	7
1988-89	8	13	11	8	10	12	12	8	6	6	4	2
1989-90	6	12	11	8	9	12	12	9	8	7	4	2

MONTANA'S RANK IN THE NATION'S AGRICULTURE

ITEM	UNIT		PERIOD OR DATE	RANK
Land in farms and ranches	60,500,000	acres	1990	2
Income from cash receipts, excluding Gov't payments:				
Total	1,605,731,000	dollars	1990	33
Crops	742,052,000	dollars	1990	31
Livestock	863,679,000	dollars	1990	30
LIVESTOCK INVENTORY AND WOOL PRODUCTION				
All Cattle & Calves	2,400,000	head	Jan. 1, 1991	13
All Cows	1,452,000	head	Jan. 1, 1991	9
Beef Cows	1,428,000	head	Jan. 1, 1991	6
Milk Cows	24,000	head	Jan. 1, 1991	42
Cattle on Feed	90,000	head	Jan. 1, 1991	20
Hogs and Pigs	185,000	head	Dec. 1, 1990	35
Sheep and Lambs	683,000	head	Jan. 1, 1991	5
Wool Production	6,226,000	pounds	1990	4
All Chickens	760,000	birds	Dec. 1, 1990	42
CROPS (Production)				
All Wheat	145,865,000	bushels	1990	5
Winter Wheat	87,500,000	bushels	1990	6
Durum Wheat	4,465,000	bushels	1990	3
Spring Wheat Other than Durum	53,900,000	bushels	1990	4
Barley	56,580,000	bushels	1990	2
Oats	2,800,000	bushels	1990	17
All Hay	4,495,000	tons	1990	14
Alfalfa Hay	3,375,000	tons	1990	9
Dry Beans	220,000	cwt	1990	14
Potatoes--fall	2,492,000	cwt	1990	15
Sugar Beets	1,240,000	tons	1990	8
Corn				
Grain	855,000	bushels	1990	41
Silage	1,045,000	tons	1990	24

CROPS AND LIVESTOCK: Record Highs and Lows, Montana

Item	Unit	RECORD HIGH Quantity	RECORD HIGH Mo/Year [1]	RECORD LOW Quantity	RECORD LOW Mo/Year [1]	Year Estimate Started
BARLEY						
Planted	Acres	2,400,000	1986	146,000	1938	1926
Harvested	Acres	2,180,000	1986	2,000	1883	1882
Yield	Bu.	49.0	1982	12.0	1919	1882
Production	Bu.	94,500,000	1987	79,000	1883	1882
Price	$/Bu.	3.04	Nov-1974	.23	Feb-1933	1910
All Stocks	Bu.	94,175,000	Sep-1987	2,886,000	July-1953	1945
CORN						
Planted All Purposes	Acres	236,000	1935	62,000	1970	1926
Harvested for GRAIN	Acres	101,000	1923	3,000	1965	1919
Grain Yield	Bu.	115.0	1986	8.5	1919	1919
Grain Production	Bu.	2,200,000	1988	135,000	1954	1919
Season Average Price	$/Bu.	3.60	1980	.40	1932	1919
Harvested for SILAGE	Acres	75,000	1989	2,000	1931	1919
Silage Yield	Tons	21.0	1978	1.5	1934	1919
Silage Production	Tons	1,491,000	1978	7,000	1928	1919
ALFALFA HAY						
Harvested	Acres	1,360,000	1981	374,000	1919	1919
Yield	Tons	2.60	1981	1.20	1935	1919
Production	Tons	3,536,000	1981	598,000	1919	1919
Price	$/Ton	105.00	Apr 1989	6.70	Aug-1939	1939
ALL OTHER HAY						
Harvested	Acres	1,390,000	1965	700,000	1988	1963
Yield	Tons	1.50	1989	1.00	1988	1963
Production	Tons	1,678,000	1965	700,000	1988	1963
Price	$/Ton	94.00	Apr 1989	12.00	May 1958	1953
ALL HAY						
Harvested	Acres	2,585,000	1953	1,125,000	1910	1909
Yield	Tons	2.09	1990	.88	1936	1909
Production	Tons	4,964,000	1981	1,283,000	1910	1909
Price	$/Ton	104.00	Apr-1989	6.50	Aug 1939	1939
All Stocks	Tons	4,842,000	Dec-1987	73,000	May-1932	1930
OATS						
Planted	Acres	781,000	1970	160,000	1990	1929
Harvested	Acres	650,000	1918	46,000	1882	1882
Yield	Bu.	55.0	1987	13.5	1919	1882
Production	Bu.	25,650,000	1915	1,600,000	1889	1882
Price	$/Bu.	2.49	Sep 1988	.20	Feb-1933	1910
All Stock	Bu.	29,432,000	Oct 1970	1,338,000	July 1950	1945
ALL WHEAT						
Planted	Acres	6,340,000	1989	2,543,000	1916	1916
Harvested	Acres	5,969,000	1953	9,000	1876	1873
Yield	Bu.	33.6	1982	5.0	1919	1873
Production	Bu.	180,320,000	1982	162,000	1876	1873
Price	$/Bu.	5.45	Feb-1974	.25	Dec-1932	1910
All Stocks	Bu.	234,709,000	Oct 1982	1,763,000	July-1932	1930
DURUM WHEAT						
Planted	Acres	1,017,000	1956	15,000	1954	1954
Harvested	Acres	978,000	1956	14,000	1954	1954
Yield	Bu.	31.5	1972	9.0	1988	1954
Production	Bu.	18,093,000	1956	189,000	1954	1954
Price	$/Bu.	7.47	Jan 1974	1.20	Feb 1970	1955
All Stocks	Bu.	17,320,000	Oct 1982	487,000	July-1966	1964
SPRING WHEAT OTHER THAN DURUM						
Planted	Acres	3,500,000	1989	1,129,000	1969	1954
Harvested	Acres	3,400,000	1989	1,104,000	1969	1954
Yield	Bu.	31.0	1982	9.0	1961	1954
Production	Bu.	89,900,000	1982	13,518,000	1961	1954
Price	$/Bu.	5.33	Feb-1974	.26	Dec 1932	1929
All Stocks	Bu.	109,861,000	Oct 1982	9,062,000	July 1975	1971
WINTER WHEAT						
Planted	Acres	3,200,000	1976	150,000	1909	1909
Harvested	Acres	3,080,000	1976	127,000	1909	1909
Yield	Bu.	38.0	1982	5.2	1919	1909
Production	Bu.	105,000,000	1975	2,798,000	1919	1909
Price	$/Bu.	5.40	Feb-1974	.24	Dec 1932	1929
All Stocks	Bu.	114,590,000	Sep 1987	7,418,000	July 1974	1971
CATTLE						
All Cattle & Calves, Jan.1	Head	3,380,000	1974	309,000	1875	1875
Beef Cows, Jan. 1 [2]	Head	1,746,000	1974	294,000	1938	1924
Milk Cows, Jan. 1 [2]	Head	215,000	1934	8,000	1880	1875
Calves Born	Head	1,730,000	1973	350,000	1938	1924
Beef Cattle Prices	$/Cwt.	84.40	Aug 1990	2.70	Dec 1933	1910
Calf Prices	$/Cwt.	105.00	Feb 1991	4.10	Jan 1934	1910
HOGS						
All Hogs, Dec. 1	Head	445,000	1944	1,000	1867	1867
Dec-May Pig Crop	Head	421,000	1943	83,000	1937	1924
June-Nov Pig Crop	Head	277,000	1943	57,000	1934	1924
All Hog & Pig Prices	$/Cwt.	58.10	Jun 1990	2.60	Jan 1933	1910
SHEEP						
All Sheep & Lambs, Jan. 1	Head	4,280,000	1934	523,000	1986	1930
Total Stock Sheep, Jan. 1	Head	5,736,000	1903	3,000	1867	1867
Sheep/Lambs on Feed, Jan. 1	Head	428,000	1945	14,000	1980	1930
Ewes 1 Yr Plus, Jan. 1	Head	3,268,000	1931	371,000	1977	1930
Lambs Crop	Head	2,695,000	1934	360,000	1979	1924
Sheep Prices	$/Cwt.	33.70	Dec 1985	1.95	Nov 1932	1910
Lamb Prices	$/Cwt.	90.60	Jan 1988	3.50	Jan 1932	1910
Wool Production	Pounds	38,370,000	1911	4,379,000	1978	1909
Wool Price	$/Lb.	1.72	Jan-1989	.07	July 1932	1910
CHICKEN & EGGS						
All Chickens, Dec. 1	Head	2,738,000	1944	760,000	1990	1924
Average number of Layers	Head	1,870,000	1925	659,000	1990	1924
Egg Production	Eggs	265,000,000	1944	162,000,000	1937	1924

[1] In case of a tie, the most recent year was used. [2] Cows two years old and older prior to 1970. Cows calved since 1970. Current year records.

NUMERICAL RANKING OF COUNTIES: Crop Production, 1990

COUNTY	CROP PRODUCTION						
	All Wheat	Winter Wheat	Hard Spring Wheat	Durum Wheat	Barley	Oats	All Hay
Beaverhead	42	46	34	0	23	33	1
Big Horn	9	7	24	26	14	3	9
Blaine	8	11	7	13	15	8	24
Broadwater	26	31	17	18	19	41	22
Carbon	40	33	40	24	16	12	7
Carter	36	37	25	0	45	48	34
Cascade	10	8	21	9	8	16	10
Chouteau	1	1	6	6	3	4	36
Custer	29	26	29	0	35	24	30
Daniels	23	40	10	14	39	50	54
Dawson	17	19	12	11	25	7	39
Deerlodge	51	51	48	0	50	54	48
Fallon	35	38	23	0	46	51	40
Fergus	7	4	22	23	6	11	4
Flathead	38	36	28	0	9	26	23
Gallatin	22	14	19	16	7	18	3
Garfield	16	13	18	27	32	34	52
Glacier	11	28	4	7	4	21	32
Golden Valley	27	20	33	0	43	44	42
Granite	53	54	52	0	54	55	28
Hill	2	2	1	10	11	35	49
Jefferson	49	50	47	0	51	29	18
Judith Basin	20	12	27	0	13	22	19
Lake	30	29	26	0	22	1	5
Lewis & Clark	37	32	32	0	17	23	13
Liberty	3	3	3	8	10	42	55
Lincoln	56	56	56	0	56	49	43
Madison	44	44	38	19	21	28	2
McCone	18	15	15	21	34	30	46
Meagher	45	39	50	0	31	43	20
Mineral	54	52	55	0	55	56	56
Missoula	46	48	43	0	47	38	29
Musselshell	34	23	45	0	37	45	35
Park	41	35	42	25	28	13	11
Petroleum	39	34	35	0	49	52	41
Phillips	19	18	14	22	18	10	17
Pondera	4	5	5	4	2	19	31
Powder River	32	24	41	0	41	6	25
Powell	52	53	51	0	48	47	14
Prairie	28	22	37	0	40	37	44
Ravalli	50	49	49	0	33	5	8
Richland	21	30	9	15	20	2	33
Roosevelt	15	27	11	2	38	31	38
Rosebud	24	17	31	17	30	9	21
Sanders	48	47	46	0	52	40	27
Sheridan	12	42	16	1	29	25	50
Silver Bow	55	55	54	0	53	53	45
Stillwater	25	16	44	0	26	32	26
Sweetgrass	47	45	53	0	44	15	16
Teton	6	6	13	3	1	20	12
Toole	5	9	2	5	5	17	51
Treasure	43	43	39	0	36	39	47
Valley	13	21	8	20	27	36	15
Wheatland	31	25	36	0	24	46	37
Wibaux	33	41	20	12	42	27	53
Yellowstone	14	10	30	0	12	14	6

ALTERNATIVE CROPS

Alternative crops are playing an increasingly significant role in Montana's agricultural industry. As producers look for options to diversify their operations for increased profitability and to keep pace with the changing market environment, crops such as buckwheat reemerge as a viable option and new crops such as canola become part of Montana's agricultural landscape. A selection of some of these alternative crops are shown below.

BERSEEM CLOVER

Berseem clover, or Egyptian clover, is an upright-growing annual legume and a cool-season forage crop. Egypt is the world's largest producer of berseem where it serves as a winter forage crop. Bigbee and Multicut are the two principal varieties of berseem clover and have been grown successfully in tests as a summer annual in Montana.

BLACK MEDIC

Research has been conducted at Montana State University on the uses for black medic, "...Black Medic has great potential for revegetation, nitrogen fixation, cover crop, pasture renovation, and dryland agricultural purposes." Other uses include agricultural crop rotations, soil building, wildlife forage, roadside mix, and seed sprouting for human consumption.

BUCKWHEAT

Buckwheat is a short season plant, maturing in ten to twelve weeks. Buckwheat is grown for human consumption, with worldwide applications in pancake mixes, breakfast cereals, poultry dressing, breads and ethnic dishes.

CANOLA

Canola, a variety of rapeseed in the mustard family, is the fastest growing oilseed crop in the world. Production of edible rapeseed grown in Montana is increasing with market demand and availability of oil seed crushers and local dealers. Canola contains the lowest level of saturated fat and the highest level of unsaturated fat of any edible vegetable oil.

CHICKLING VETCH

Belonging to the legume family, chickling vetch is a pea-like annual or perennial herb. The leafy, climbing plant is grown for fodder and as a green manure. The flowers are white, blue or violet.

CHICKPEAS (CICER)

Chickpeas are an annual plant belonging to the legume family. They are sometimes cultivated in vegetable gardens for the edible ripe seeds; the pods usually contain two seeds each. The peas can be eaten boiled or roasted, and are used in soup or as a substitute for coffee; some kinds are also used for horse feed. The chickpea plant is bushy and hairy and grows about two feet high, yielding 500-1,000 pounds per acre.

FIELD PEAS

A member of the legume family, field peas are a tall, annual herb grown for fodder, as a vegetable, and for its seeds (used for split pea soup). Native to Europe.

FLAX

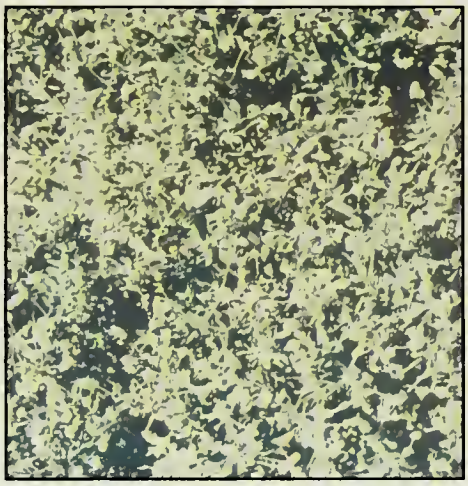
Flax is harvested for its seed and fiber products. The straw fiber is used to make fine paper. Seeds are processed into linseed oil (a high-quality drying agent), and livestock feed cake, which is left after oil extraction. Of the little flax that is grown in Montana, most is transported to other areas for processing.

KABOCHA SQUASH

In Japanese, kabocha is a generic word for pumpkin or squash. Like all vegetable crops, kabocha is a heavy feeder and is more labor-intensive than grain crops. It is easier to handle than more delicate vegetables and can be effective against some weeds. Much of the kabocha squash produced in Montana is grown in the Yellowstone Valley.

SPECIALTY CROPS

BERSEEM CLOVER



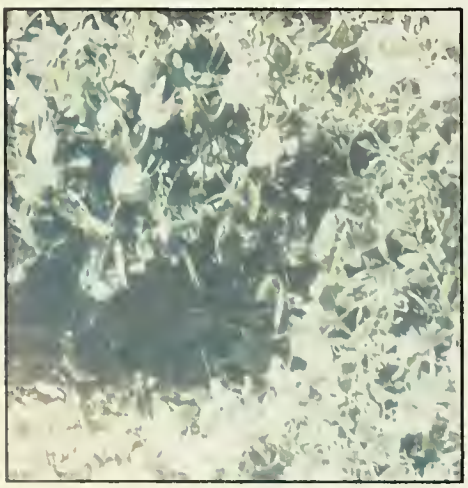
BLACK MEDIC

BUCKWHEAT

CANOLA

CHICKLING VETCH

CHICKPEAS



FIELD PEAS

FLAX

KABOCHA SQUASH

SPECIALTY CROPS

MINT

MUSTARD/RAPESEED

RED KIDNEY BEANS

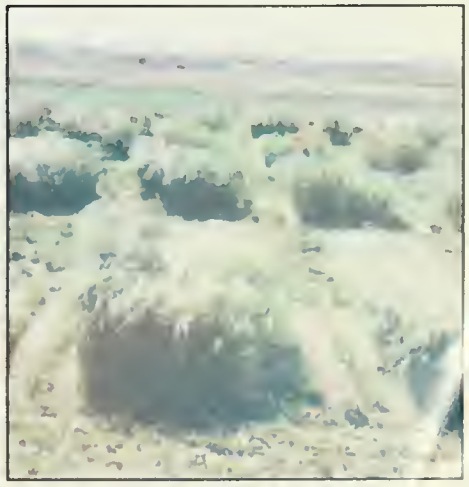
ROSES

SAFFLOWER

SOYBEANS

SUNFLOWERS

SWEET LUPIN



TEFF

MINT

Spearmint oil is used as a flavoring in such products as chewing gum, toothpaste, mouthwash, candy, and medicines. The initial marketing of spearmint oil is through the producer who distills the oil from spearmint hay and sells the oil to a buyer. The United States supplies both domestic and foreign markets and is the primary world supplier of spearmint oil.

MUSTARD/RAPESEED

Mustard is an herb in the Cruciferae family. Species are grown for use as potherbs and for their seeds used in the manufacture of the condiment. Species include, white mustard, potherb mustard, and black mustard. Rapeseed is a member of the mustard family (Brassica). High erucic acid rapeseed (HEAR) oil is valued for its unique properties as an industrial lubricant; standards call for a minimum of 45% erucic acid. Oils with erucic acid levels between 2% and 45% are not acceptable for either edible or industrial use.

RED KIDNEY BEAN (LIGHT)

A member of the legume family, the kidney bean is a tropical, annual herb widely and popularly cultivated for its edible seed or pod.

ROSES

Roses are a major cut flower in the United States, and competition is high. Imports reached millions of dollars in 1988, and as a result of lower labor and energy costs, prices were usually lower than domestic prices. Competitive advantages are based on favorable climate conditions, transportation and proximity to metropolitan areas, and availability of workers.

SAFFLOWER

Safflower is an annual oil seed crop that provides four commercial products, including bird seed, a small but growing market; edible oil, the largest market; meal, and foots (the residue of oil refining). Montana growers produce oil that is high in a poly-unsaturated fatty acid necessary in human nutrition.

SOYBEANS

Soybeans are used for food and feed, and are also a good source for several industrial products. Printers ink can be made from soybean oil, and it can be used to suppress dust in grain elevators and in swine-feeding facilities. When added to the feed, soybean oil also provides a higher energy content, which enhances weight gain.

SUNFLOWERS

Belonging to the Asteraceae family, sunflowers are an annual herb standing 3-15 feet high. The disk flowers are brown, yellow, or purple, and the ray flowers are yellow. The leaves are used for fodder, the flowers produce a yellow dye, and the seeds contain oil and are used for food. Not only do sunflowers produce snacks and oil, red dye can be extracted from the seed hulls and used as a substitute for synthetic colorants.

SWEET LUPIN

Sweet white lupin is an upright, heavy stem plant, belonging to the legume family. Healthy plants have a cluster of 5-7 pods, each containing 3-7 seeds. Choosing appropriate land is important in sweet white lupin production.

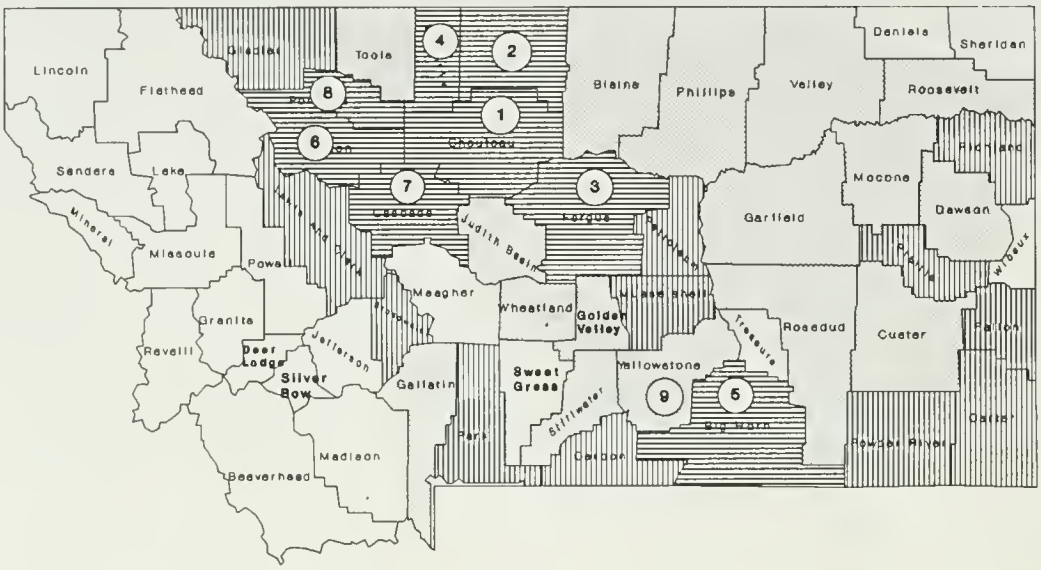
TEFF

A member of the Gramineae family, teff is a fragrant grass grown for its cereal grain and as an ornament. Native to North Africa.

NUMERICAL RANKING OF COUNTIES: Livestock Numbers, 1989-1990 and Cash Receipts--1989

COUNTY	LIVESTOCK NUMBERS			CASH RECEIPTS--1989		
	Cattle Jan. 1, 1990	Sheep Jan 1, 1990	Hogs Dec. 1, 1989	All Products	Livestock and Products	Crops
Beaverhead	1	6	48	6	2	18
Big Horn	2	38	8	4	4	9
Blaine	7	23	14	20	24	17
Broadwater	39	26	41	36	41	24
Carbon	18	10	28	9	9	11
Carter	19	2	35	34	21	50
Cascade	9	19	7	3	3	8
Chouteau	23	42	4	8	26	2
Custer	12	16	38	15	7	35
Daniels	51	39	16	48	52	34
Dawson	31	35	33	30	32	23
Deer Lodge	53	54	52	53	53	54
Fallon	28	24	23	44	35	47
Fergus	4	15	12	7	11	7
Flathead	45	41	17	22	27	16
Gallatin	11	22	20	2	5	3
Garfield	15	1	39	26	17	37
Glacier	40	43	1	17	23	12
Golden Valley	43	18	29	46	39	44
Granite	35	50	53	45	36	52
Hill	41	48	6	12	37	4
Jefferson	42	45	37	49	46	42
Judith Basin	14	12	40	21	22	19
Lake	21	34	24	16	14	14
Lewis & Clark	29	20	31	31	30	31
Liberty	50	52	2	25	40	15
Lincoln	55	55	43	55	55	56
Madison	5	8	27	11	6	26
McCone	33	7	30	41	45	29
Meagher	16	31	34	32	25	39
Mineral	56	56	54	56	56	55
Missoula	52	46	55	51	47	45
Musselshell	36	9	32	40	44	30
Park	22	37	46	28	20	36
Petroleum	38	32	56	50	43	48
Phillips	6	13	10	18	15	22
Pondera	44	25	3	14	38	5
Powder River	10	3	49	27	16	46
Powell	25	40	47	38	31	41
Prairie	30	27	44	35	29	38
Ravalli	27	30	25	19	12	33
Richland	20	28	19	10	13	10
Roosevelt	46	29	26	42	49	25
Rosebud	8	14	36	13	10	20
Sanders	37	51	45	47	42	43
Sheridan	48	36	18	43	51	27
Silver Bow	54	53	50	54	54	53
Stillwater	24	11	11	24	18	28
Sweet Grass	26	5	22	37	28	49
Teton	17	17	5	5	8	1
Toole	49	47	15	29	48	13
Treasure	34	49	51	33	34	32
Valley	13	33	21	23	19	21
Wheatland	32	4	13	39	33	40
Wibaux	47	44	42	52	50	51
Yellowstone	3	21	9	1	1	6

WINTER WHEAT - 1990
HARVESTED ACREAGE

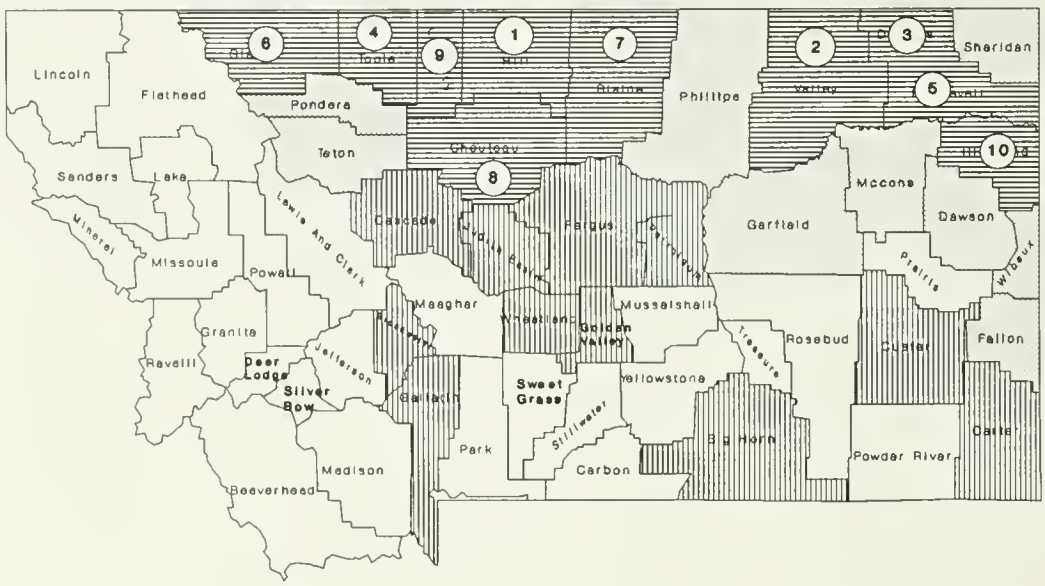


Numbers show ranking of top ten.

0-9,999 ☐ 30,000-89,999 ▨

10,000-29,999 ▥ 90,000+ ▤

SPRING WHEAT EXCLUDING DURUM - 1990
HARVESTED ACREAGE

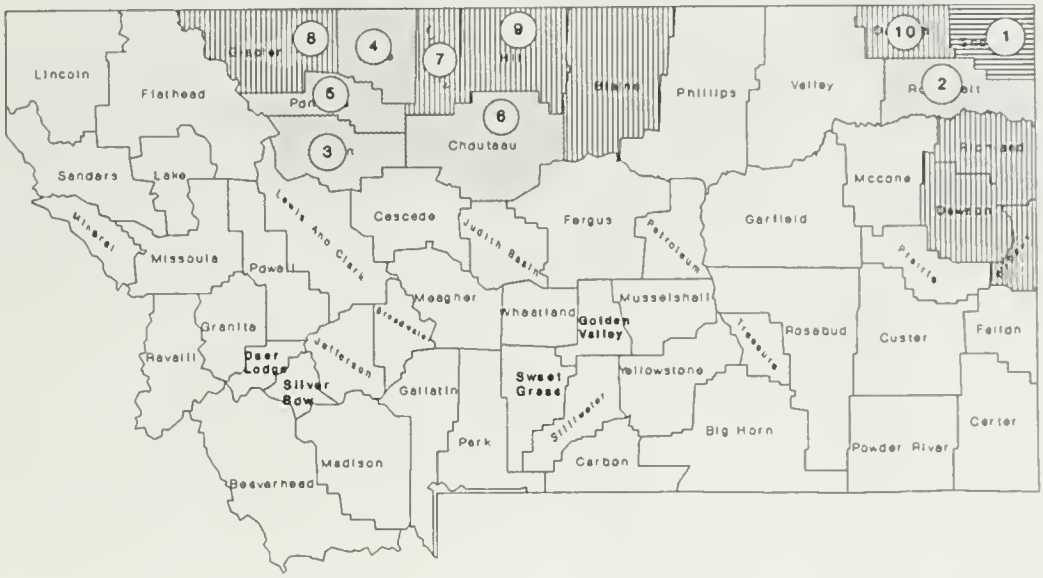


Numbers show ranking of top ten.

0-9,999 ☐ 30,000-99,999 ☐

10,000-29,999 ▥ 100,000+ ▤

DURUM WHEAT - 1990
HARVESTED ACREAGE

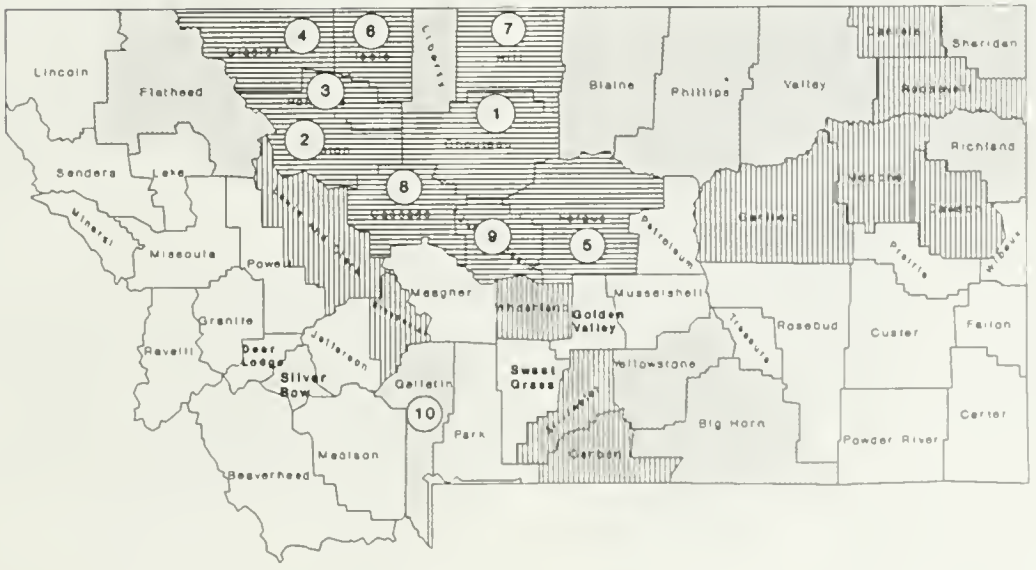


Numbers show ranking of top ten.

0-999 ☐ 5,000-24,999 ☐

1,000-4,999 ▥ 25,000+ ▤

BARLEY - 1990
HARVESTED ACREAGE

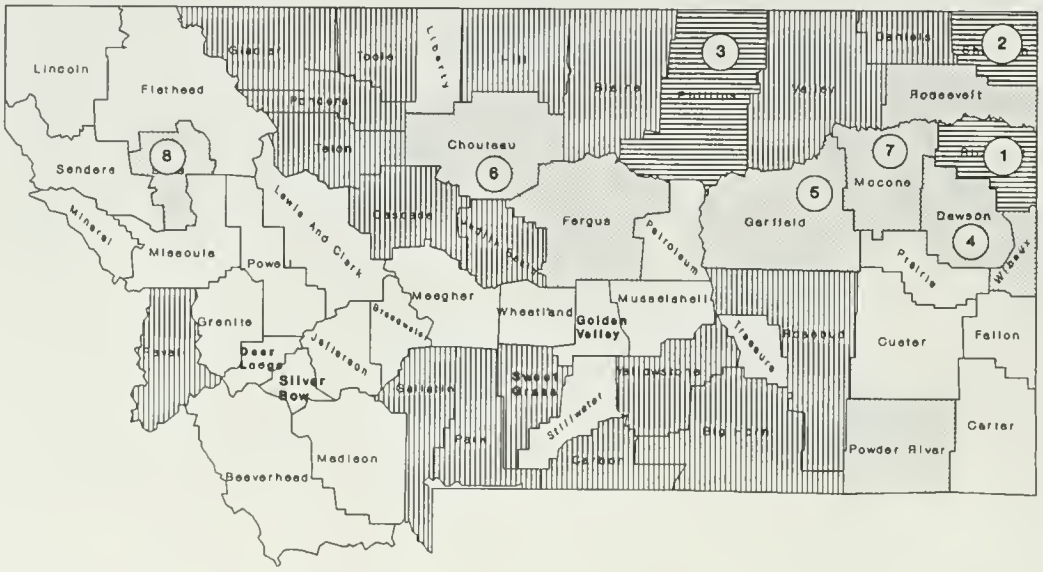


Numbers show ranking of top ten.

0-9,999 ☐ 20,000-49,999 ☐

10,000-19,999 ▥ 50,000+ ▤

OATS - 1990
HARVESTED ACREAGE

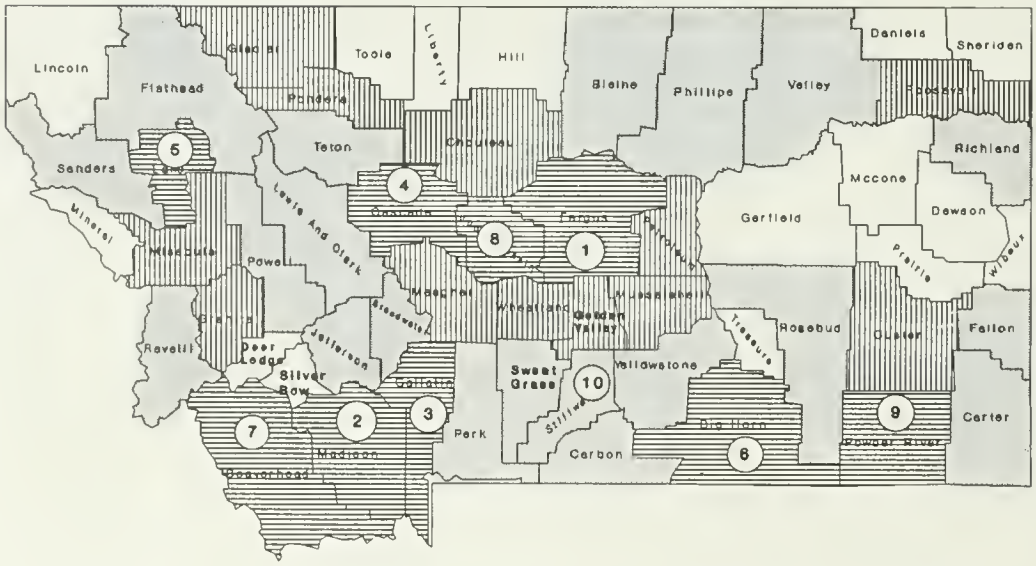


Numbers show ranking of top ten.

0-999 ☐ 2,000-2,999 ☐

1,000-1,999 ▥ 3,000+ ▤

ALFALFA HAY - 1990
HARVESTED ACREAGE



Numbers show ranking of top ten.

0-9,999 ☐ 20,000-39,999 ☐

10,000-19,999 ▥ 40,000+ ▤

ALL CROPS: Harvested Acres, Irrigated and Non-Irrigated, 1989-1990

COUNTY & DISTRICT	IRRIGATED		NON-IRRIGATED	
	Harvested Acres - 1989	Harvested Acres - 1990	Harvested Acres - 1989	Harvested Acres - 1990
Deerlodge	13,270	13,900	100	700
Flathead	44,370	38,150	45,800	41,600
Granite	32,000	29,400	1,800	1,000
Lake	71,710	76,130	37,600	28,200
Lincoln	8,500	7,800	4,500	4,500
Mineral	1,500	1,600	2,400	2,500
Missoula	26,030	24,330	10,000	10,100
Powell	58,300	44,700	8,500	6,300
Ravalli	51,050	51,180	5,700	5,000
Sanders	22,300	21,000	18,500	21,100
NORTHWEST	**329,030**	**308,280**	**134,900**	**121,000**
Blaine	42,610	44,405	216,000	228,100
Chouteau	16,305	13,010	677,900	698,100
Glacier	33,705	33,110	262,900	238,300
Hill	6,105	4,605	560,000	581,900
Liberty	3,805	5,610	282,600	301,400
Phillips	37,210	32,910	194,500	191,000
Pondera	59,110	72,010	258,400	271,400
Teton	88,510	94,105	230,400	250,100
Toole	5,310	4,505	295,200	325,500
NORTH CENTRAL	**292,670**	**304,270**	**2,977,900**	**3,085,800**
Daniels	1,800	1,805	243,900	204,100
Dawson	18,810	17,855	237,300	179,700
Garfield	4,005	4,205	132,500	133,200
McCone	6,805	6,205	275,200	201,400
Richland	45,000	45,740	245,300	163,900
Roosevelt	11,380	12,595	382,000	258,600
Sheridan	7,910	4,735	380,100	301,800
Valley	43,010	46,410	370,800	275,900
NORTHEAST	**138,720**	**139,550**	**2,267,100**	**1,718,600**
Broadwater	45,750	47,020	33,300	42,400
Cascade	30,110	38,905	272,500	225,900
Fergus	17,310	16,910	335,500	374,400
Golden Valley	8,605	7,305	55,900	61,300
Judith Basin	9,705	9,705	186,800	192,200
Lewis & Clark	39,805	43,205	29,300	32,900
Meagher	38,205	41,505	24,500	25,400
Musselshell	9,205	10,305	59,900	54,700
Petroleum	10,405	8,700	23,800	34,200
Wheatland	16,710	14,010	51,000	65,600
CENTRAL	**225,810**	**237,570**	**1,072,500**	**1,109,000**
Beaverhead	155,940	127,100	13,300	12,800
Gallatin	91,460	94,310	95,600	84,000
Jefferson	29,100	34,400	13,000	7,400
Madison	100,600	100,480	18,500	9,500
Silver Bow	7,800	9,600	1,500	400
SOUTHWEST	**384,900**	**365,890**	**141,900**	**114,100**
Big Horn	50,820	55,110	145,700	180,700
Carbon	66,900	65,735	36,300	37,500
Park	59,705	55,300	24,600	20,700
Stillwater	21,970	21,370	111,900	103,000
Sweet Grass	31,805	32,600	31,400	23,300
Treasure	20,550	18,860	9,600	9,000
Yellowstone	71,900	75,425	123,800	118,700
SOUTH CENTRAL	**323,650**	**324,400**	**483,300**	**492,900**
Carter	2,505	5,560	114,100	89,200
Custer	22,260	20,615	90,700	65,100
Fallon	2,605	2,405	104,400	89,900
Powder River	12,105	13,300	73,100	77,700
Prairie	15,035	13,265	56,000	50,900
Rosebud	36,105	33,085	93,500	77,600
Wibaux	2,005	1,510	78,100	64,500
SOUTHEAST	**92,620**	**89,740**	**609,900**	**514,900**
MONTANA	**1,787,400**	**1,769,700**	**7,687,500**	**7,156,300**

ALL WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1989

COUNTY & DISTRICT	ACRES				Yield Per Acre	Production
	Gross Seeded	Reseeded [1]	Net Seeded	Harvested for Grain		-----Bushels-----
Deerlodge	1,100	0	1,100	1,000	57.0	57,000
Flathead	24,000	3,700	20,300	18,800	50.1	942,000
Granite	1,200	0	1,200	1,100	33.6	37,000
Lake	30,000	7,000	23,000	22,000	38.2	841,000
Lincoln	0	0	0	0	0.0	0
Mineral	300	0	300	300	28.3	8,500
Missoula	7,400	700	6,700	5,600	33.2	186,000
Powell	4,700	200	4,500	3,800	51.8	197,000
Ravalli	3,800	400	3,400	3,300	32.9	108,500
Sanders	2,800	0	2,800	2,400	38.8	93,000
NORTHWEST	**75,300**	**12,000**	**63,300**	**58,300**	**42.4**	**2,470,000**
Blaine	220,600	39,000	181,600	174,500	30.8	5,369,000
Chouteau	620,100	130,000	490,100	472,000	36.9	17,431,000
Glacier	182,000	2,600	179,400	174,800	37.1	6,478,000
Hill	746,600	245,000	501,600	482,500	26.0	12,530,000
Liberty	388,100	145,000	243,100	232,000	33.3	7,730,000
Phillips	157,200	29,000	128,200	124,200	25.0	3,108,000
Pondera	208,400	19,000	189,400	185,000	42.7	7,894,000
Teton	168,100	8,400	159,700	157,000	41.5	6,521,500
Toole	301,100	78,000	223,100	212,000	31.3	6,640,500
NORTH CENTRAL	**2,992,200**	**696,000**	**2,296,200**	**2,214,000**	**33.3**	**73,702,000**
Daniels	202,100	500	201,600	196,000	12.9	2,528,000
Dawson	214,000	43,800	170,200	168,000	23.1	3,881,000
Garfield	102,000	12,800	89,200	88,000	24.3	2,137,000
McCone	223,000	20,500	202,500	199,000	20.8	4,141,500
Richland	199,000	20,500	178,500	174,000	19.3	3,352,500
Roosevelt	329,000	4,000	325,000	312,000	16.4	5,102,000
Sheridan	317,600	1,700	315,900	312,000	14.1	4,386,500
Valley	332,000	8,200	323,800	311,000	16.0	4,981,500
NORTHEAST	**1,918,700**	**112,000**	**1,806,700**	**1,760,000**	**17.3**	**30,510,000**
Broadwater	38,500	1,800	36,700	35,000	32.8	1,149,000
Cascade	162,700	5,700	157,000	155,600	42.8	6,665,000
Fergus	156,500	26,200	130,300	120,000	37.6	4,517,000
Golden Valley	44,000	2,800	41,200	38,000	20.5	778,000
Judith Basin	88,000	5,500	82,500	79,500	36.4	2,890,000
Lewis & Clark	15,000	800	14,200	13,900	39.3	546,000
Meagher	5,600	1,500	4,100	3,600	21.7	78,000
Musselshell	30,000	1,000	29,000	28,000	28.1	788,000
Petroleum	17,800	2,800	15,000	14,500	19.4	282,000
Wheatland	37,000	1,900	35,100	32,900	25.8	848,000
CENTRAL	**595,100**	**50,000**	**545,100**	**521,000**	**35.6**	**18,541,000**
Beaverhead	11,400	400	11,000	10,000	36.4	364,000
Gallatin	50,100	1,100	49,000	47,800	47.5	2,269,000
Jefferson	5,400	0	5,400	4,800	18.1	87,000
Madison	14,800	0	14,800	14,100	36.2	511,000
Silver Bow	700	0	700	700	30.0	21,000
SOUTHWEST	**82,400**	**1,500**	**80,900**	**77,400**	**42.0**	**3,252,000**
Big Horn	100,600	1,500	99,100	94,300	34.1	3,220,000
Carbon	20,300	300	20,000	19,700	30.6	602,000
Park	15,700	500	15,200	14,100	34.4	485,500
Stillwater	57,500	700	56,800	56,300	29.4	1,655,000
Sweet Grass	6,100	0	6,100	5,500	37.5	206,500
Treasure	6,100	0	6,100	5,600	44.5	249,000
Yellowstone	86,000	500	85,500	84,800	31.0	2,626,000
SOUTH CENTRAL	**292,300**	**3,500**	**288,800**	**280,300**	**32.3**	**9,044,000**
Carter	56,500	3,800	52,700	50,000	20.3	1,017,000
Custer	71,500	8,200	63,300	61,000	21.5	1,312,000
Fallon	60,200	3,000	57,200	46,100	19.6	902,000
Powder River	30,500	1,500	29,000	27,300	22.1	604,000
Prairie	51,100	13,500	37,600	35,900	24.6	884,000
Rosebud	61,000	500	60,500	58,800	29.5	1,734,000
Wibaux	53,200	4,500	48,700	44,900	23.6	1,058,000
SOUTHEAST	**384,000**	**35,000**	**349,000**	**324,000**	**23.2**	**7,511,000**
MONTANA	**6,340,000**	**910,000**	**5,430,000**	**5,235,000**	**27.7**	**145,030,000**

[1] Winter Wheat Reseeded to Spring Wheat.

ALL WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	ACRES				Yield Per Acre	Production
	Gross Seeded	Reseeded [1]	Net Seeded	Harvested for Grain		-----Bushels-----
Deerlodge	1,300	0	1,300	1,300	53.1	69,000
Flathead	13,200	200	13,000	12,600	55.5	699,000
Granite	900	0	900	900	36.7	33,000
Lake	17,900	0	17,900	17,200	54.7	940,000
Lincoln	0	0	0	0	0.0	0
Mineral	400	0	400	400	37.5	15,000
Missoula	4,900	0	4,900	4,600	37.6	173,000
Powell	1,400	0	1,400	1,300	36.9	48,000
Ravalli	2,900	0	2,900	2,700	33.0	89,000
Sanders	3,100	0	3,100	3,000	42.0	126,000
NORTHWEST	**46,000**	**200**	**45,800**	**44,000**	**49.8**	**2,192,000**
Blaine	205,100	900	204,200	195,000	25.4	4,953,000
Chouteau	565,400	1,600	563,800	527,000	38.8	20,424,000
Glacier	148,600	800	147,800	144,500	28.4	4,106,000
Hill	517,700	4,800	512,900	504,600	30.7	15,478,000
Liberty	263,800	400	263,400	256,500	38.0	9,751,000
Phillips	148,200	900	147,300	135,200	18.7	2,525,000
Pondera	209,600	1,300	208,300	205,200	42.5	8,711,000
Teton	176,100	1,200	174,900	171,000	40.0	6,837,000
Toole	250,300	0	250,300	246,000	32.4	7,970,000
NORTH CENTRAL	**2,484,800**	**11,900**	**2472,900**	**2,385,000**	**33.9**	**80,755,000**
Daniels	208,600	100	208,500	177,900	12.0	2,139,000
Dawson	159,000	2,200	156,800	139,000	18.9	2,623,000
Garfield	122,100	700	121,400	105,100	26.1	2,745,000
McCone	218,700	3,600	215,100	165,500	15.6	2,587,000
Richland	167,100	2,200	164,900	126,000	19.7	2,479,000
Roosevelt	326,500	4,100	322,400	229,000	12.7	2,902,000
Sheridan	279,500	1,400	278,100	261,000	15.5	4,052,000
Valley	303,500	1,300	302,200	245,500	12.8	3,151,000
NORTHEAST	**1,785,000**	**15,600**	**1769,400**	**1,449,000**	**15.7**	**22,678,000**
Broadwater	46,100	0	46,100	44,100	30.8	1,359,000
Cascade	161,800	2,500	159,300	135,800	34.2	4,641,000
Fergus	187,100	4,800	182,300	176,100	36.8	6,480,000
Golden Valley	52,000	0	52,000	47,000	25.8	1,212,000
Judith Basin	94,000	0	94,000	90,000	27.8	2,506,000
Lewis & Clark	19,000	800	18,200	18,000	39.0	702,000
Meagher	12,500	0	12,500	11,000	23.0	253,000
Musselshell	35,000	0	35,000	29,000	29.1	843,000
Petroleum	24,500	0	24,500	23,000	26.4	608,000
Wheatland	45,000	1,500	43,500	42,000	22.3	936,000
CENTRAL	**677,000**	**9,600**	**667,400**	**616,000**	**31.7**	**19,540,000**
Beaverhead	9,300	0	9,300	8,300	38.1	316,000
Gallatin	48,300	100	48,200	46,900	47.6	2,234,000
Jefferson	4,500	0	4,500	4,500	20.4	92,000
Madison	10,700	0	10,700	10,100	30.3	306,000
Silver Bow	400	0	400	400	22.5	9,000
SOUTHWEST	**73,200**	**100**	**73,100**	**70,200**	**42.1**	**2,957,000**
Big Horn	143,800	100	143,700	140,600	34.4	4,839,600
Carbon	19,700	0	19,700	19,100	31.4	598,800
Park	14,600	0	14,600	14,100	35.3	497,600
Stillwater	56,600	0	56,600	54,500	28.0	1,527,000
Sweetgrass	5,500	100	5,400	5,000	26.0	130,000
Treasure	6,000	0	6,000	6,000	51.7	310,000
Yellowstone	101,100	0	101,100	96,000	30.7	2,949,000
SOUTH CENTRAL	**347,300**	**200**	**347,100**	**335,300**	**32.4**	**10,852,000**
Carter	42,000	1,700	40,300	37,000	19.8	734,000
Custer	48,500	0	48,500	46,000	21.5	991,000
Fallon	54,500	500	54,000	47,000	16.8	791,000
Powder River	31,500	300	31,200	29,000	30.6	887,000
Prairie	41,000	0	41,000	35,000	28.4	995,000
Rosebud	56,100	0	56,100	52,100	31.0	1,614,000
Wibaux	58,100	900	57,200	39,400	22.3	879,000
SOUTHEAST	**331,700**	**3,400**	**328,300**	**285,500**	**24.1**	**6,891,000**
MONTANA	**5,745,000**	**41,000**	**5,704,000**	**5,185,000**	**28.1**	**145,865,000**

[1] Winter Wheat Reseeded to Spring Wheat.

WINTER WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			--Bushels--			--Bu.--		--Bu.--
Deerlodge	100	100	20	2,000	0	0	100	20
Flathead	8,500	3,500	43	152,000	1,000	45	2,500	43
Granite	500	400	23	9,000	0	0	400	23
Lake	12,700	5,300	30	160,000	1,500	57	3,800	20
Lincoln	0	0	0	0	0	0	0	0
Mineral	100	100	40	4,000	0	0	100	40
Missoula	1,400	500	22	11,000	0	0	500	22
Powell	200	0	0	0	0	0	0	0
Ravalli	1,200	800	44	35,000	200	100	600	25
Sanders	300	300	50	15,000	300	50	0	0
NORTHWEST	**25,000**	**11,000**	**35**	**388,000**	**3,000**	**55**	**8,000**	**28**
Blaine	65,000	23,000	38	884,000	200	60	22,800	38
Chouteau	390,000	247,000	42	10,368,000	1,100	66	245,900	42
Glacier	8,000	5,000	31	153,000	0	0	5,000	31
Hill	300,000	45,000	33	1,480,000	0	0	45,000	33
Liberty	182,000	30,000	35	1,050,000	0	0	30,000	35
Phillips	40,000	10,000	20	195,000	0	0	10,000	20
Pondera	100,000	80,000	46	3,663,000	1,500	60	78,500	46
Teton	105,000	95,000	45	4,257,000	1,500	57	93,500	45
Toole	100,000	15,000	37	550,000	0	0	15,000	37
NORTH CENTRAL	**1,290,000**	**550,000**	**41**	**22,600,000**	**4,300**	**60**	**545,700**	**41**
Daniels	3,000	2,000	23	45,000	0	0	2,000	23
Dawson	62,000	17,000	30	515,000	0	0	17,000	30
Garfield	46,000	33,000	27	902,000	0	0	33,000	27
McCone	61,000	39,000	27	1,072,000	100	50	38,900	27
Richland	36,000	14,000	22	311,000	100	50	13,900	22
Roosevelt	23,000	14,000	30	414,000	0	0	14,000	30
Sheridan	4,000	2,000	29	58,500	100	45	1,900	28
Valley	38,000	29,000	22	629,500	700	39	28,300	21
NORTHEAST	**273,000**	**150,000**	**26**	**3,947,000**	**1,000**	**42**	**149,000**	**26**
Broadwater	7,000	5,000	28	140,000	100	60	4,900	27
Cascade	130,000	124,000	45	5,559,000	1,200	66	122,800	45
Fergus	136,000	100,000	40	3,950,000	700	71	99,300	39
Golden Valley	23,000	20,000	25	508,000	300	60	19,700	25
Judith Basin	70,000	62,000	38	2,370,000	0	0	62,000	38
Lewis & Clark	8,000	7,000	43	301,000	200	55	6,800	43
Meagher	4,000	2,000	19	37,000	0	0	2,000	19
Musselshell	27,000	25,000	28	704,000	0	0	25,000	28
Petroleum	8,000	5,000	26	132,000	0	0	5,000	26
Wheatland	17,000	15,000	28	415,000	0	0	15,000	28
CENTRAL	**430,000**	**365,000**	**39**	**14,116,000**	**2,500**	**66**	**362,500**	**38**
Beaverhead	2,400	2,000	25	50,000	0	0	2,000	25
Gallatin	32,000	30,000	51	1,538,000	4,800	73	25,200	47
Jefferson	1,500	1,000	27	27,000	0	0	1,000	27
Madison	6,000	5,900	41	241,000	700	50	5,200	40
Silver Bow	100	100	40	4,000	0	0	100	40
SOUTHWEST	**42,000**	**39,000**	**48**	**1,860,000**	**5,500**	**70**	**33,500**	**44**
Big Horn	85,000	80,000	34	2,725,000	3,500	57	76,500	33
Carbon	11,500	11,000	34	373,000	1,000	50	10,000	32
Park	11,500	10,000	35	350,000	1,400	49	8,600	33
Stillwater	46,000	45,000	33	1,467,000	100	50	44,900	33
Sweet Grass	4,500	4,000	43	170,000	0	0	4,000	43
Treasure	4,500	4,000	37	147,000	800	55	3,200	32
Yellowstone	72,000	71,000	32	2,249,000	700	56	70,300	31
SOUTH CENTRAL	**235,000**	**225,000**	**33**	**7,481,000**	**7,500**	**54**	**217,500**	**33**
Carter	20,000	15,000	21	309,000	0	0	15,000	21
Custer	55,000	45,000	18	819,000	100	40	44,900	18
Fallon	10,000	6,000	22	133,000	0	0	6,000	22
Powder River	25,000	22,000	22	487,000	0	0	22,000	22
Prairie	36,000	21,000	21	449,000	0	0	21,000	21
Rosebud	48,000	47,000	28	1,321,000	100	40	46,900	28
Wibaux	11,000	4,000	23	90,000	0	0	4,000	23
SOUTHEAST	**205,000**	**160,000**	**23**	**3,608,000**	**200**	**40**	**159,800**	**23**
MONTANA	**2,500,000**	**1,500,000**	**36**	**54,000,000**	**24,000**	**60**	**1,476,000**	**36**

WINTER WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre --Bushels--	Production	Harvested Acres	Yield Per Acre --Bu.--	Harvested Acres	Yield Per Acre --Bu.--
Deerlodge	300	300	67	20,000	300	67	0	0
Flathead	6,300	5,800	58	338,000	1,000	69	4,800	56
Granite	300	300	30	9,000	0	0	300	30
Lake	9,200	8,700	57	498,000	1,300	72	7,400	55
Lincoln	0	0	0	0	0	0	0	0
Mineral	300	300	43	13,000	0	0	300	43
Missoula	1,300	1,300	43	56,000	200	70	1,100	38
Powell	300	300	40	12,000	0	0	300	40
Ravalli	1,500	1,500	27	41,000	100	70	1,400	24
Sanders	1500	1,500	39	58,000	100	60	1,400	37
NORTHWEST	**21,000**	**20,000**	**52**	**1,045,000**	**3,000**	**70**	**17,000**	**49**
Blaine	75,000	70,000	31	2,189,000	1,000	51	69,000	31
Chouteau	438,000	407,000	43	17,423,000	100	50	406,900	43
Glacier	16,000	15,000	40	594,000	300	70	14,700	39
Hill	221,000	212,000	35	7,368,000	100	70	211,900	35
Liberty	152,000	147,000	42	6,216,000	500	52	146,500	42
Phillips	48,000	45,000	25	1,103,000	1,000	52	44,000	24
Pondera	114,000	110,000	50	5,453,000	1,100	59	108,900	50
Teton	117,000	114,000	45	5,154,000	900	64	113,100	45
Toole	71,000	70,000	42	2,939,000	0	0	70,000	42
NORTH CENTRAL	**1,252,000**	**1190,000**	**41**	**48,439,000**	**5,000**	**57**	**1185,000**	**41**
Daniels	6,500	6,000	30	177,000	0	0	6,000	30
Dawson	54,000	47,000	21	974,000	100	60	46,900	21
Garfield	79,000	70,000	28	1,926,000	0	0	70,000	28
McCone	83,000	70,000	21	1,444,000	300	63	69,700	20
Richland	34,000	25,000	19	467,000	500	56	24,500	18
Roosevelt	54,000	40,000	16	629,000	100	50	39,900	16
Sheridan	10,500	9,000	16	143,000	100	50	8,900	16
Valley	63,000	50,000	17	840,000	900	52	49,100	16
NORTHEAST	**384,000**	**317,000**	**21**	**6,600,000**	**2,000**	**55**	**315,000**	**21**
Broadwater	20,000	19,000	24	454,000	2,100	50	16,900	21
Cascade	132,000	110,000	36	3,988,000	1,700	50	108,300	36
Fergus	163,000	153,000	39	5,927,000	300	57	152,700	39
Golden Valley	33,000	32,000	30	951,000	400	53	31,600	29
Judith Basin	72,000	70,000	30	2,089,000	300	57	69,700	30
Lewis & Clark	12,000	11,000	39	431,000	100	60	10,900	39
Meagher	10,000	9,000	23	211,000	500	62	8,500	21
Musselshell	30,000	25,000	31	764,000	200	65	24,800	30
Petroleum	14,000	13,000	32	410,000	100	50	12,900	31
Wheatland	32,000	30,000	25	743,000	300	47	29,700	25
CENTRAL	**518,000**	**472,000**	**34**	**15,968,000**	**6,000**	**53**	**466,000**	**34**
Beaverhead	3,500	3,500	27	93,000	200	65	3,300	24
Gallatin	33,500	32,800	45	1,471,000	2,500	78	30,300	42
Jefferson	1,500	1,500	26	39,000	0	0	1,500	26
Madison	4,300	4,000	31	123,000	300	57	3,700	29
Silver Bow	200	200	30	6,000	0	0	200	30
SOUTHWEST	**43,000**	**42,000**	**41**	**1,732,000**	**3,000**	**75**	**39,000**	**39**
Big Horn	133,000	130,000	34	4,373,000	3,000	57	127,000	33
Carbon	14,000	13,500	32	429,000	800	63	12,700	30
Park	11,500	11,000	34	370,000	1,200	54	9,800	31
Stillwater	50,000	48,500	29	1,418,000	0	0	48,500	29
Sweetgrass	4,500	4,000	29	115,000	0	0	4,000	29
Treasure	4,000	4,000	36	142,000	400	65	3,600	32
Yellowstone	92,000	88,000	30	2,631,000	600	65	87,400	30
SOUTH CENTRAL	**309,000**	**299,000**	**32**	**9,478,000**	**6,000**	**58**	**293,000**	**31**
Carter	15,000	12,000	23	277,000	0	0	12,000	23
Custer	35,500	35,000	19	661,000	200	70	34,800	19
Fallon	15,500	14,000	20	275,000	0	0	14,000	20
Powder River	26,000	24,000	32	759,000	0	0	24,000	32
Prairie	30,000	27,000	30	812,000	400	63	26,600	30
Rosebud	45,000	43,000	30	1,298,000	200	65	42,800	29
Wibaux	6,000	5,000	31	156,000	200	65	4,800	30
SOUTHEAST	**173,000**	**160,000**	**26**	**4,238,000**	**1,000**	**65**	**159,000**	**26**
MONTANA	**2,700,000**	**2,500,000**	**35**	**87,500,000**	**26,000**	**60**	**2,474,000**	**35**

SPRING WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1989

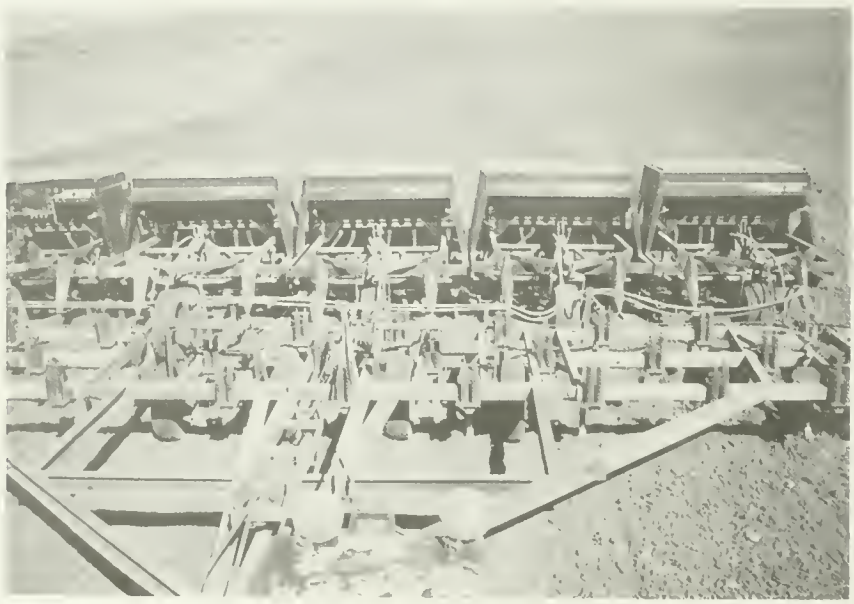
COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			--Bushels--			--Bu.--		--Bu.--
Deerlodge	1,000	900	61	55,000	900	61	0	0
Flathead	15,500	15,300	52	790,000	6,300	56	9,000	49
Granite	700	700	40	28,000	500	44	200	30
Lake	17,200	16,600	41	677,000	7,300	62	9,300	24
Lincoln	0	0	0	0	0	0	0	0
Mineral	200	200	23	4,500	0	0	200	23
Missoula	6,000	5,100	34	175,000	2,100	45	3,000	27
Powell	4,500	3,800	52	197,000	1,800	83	2,000	24
Ravalli	2,600	2,500	29	73,500	900	56	1,600	15
Sanders	2,300	1,900	37	70,000	600	83	1,300	15
NORTHWEST	**50,000**	**47,000**	**44**	**2,070,000**	**20,400**	**60**	**26,600**	**32**
Blaine	153,000	149,000	29	4,395,000	11,000	49	138,000	28
Chouteau	221,000	216,000	31	6,750,000	2,100	33	213,900	31
Glacier	163,000	159,000	37	5,960,000	5,000	42	154,000	37
Hill	439,000	430,000	25	10,815,000	2,000	33	428,000	25
Liberty	202,000	198,000	33	6,565,000	1,500	57	196,500	33
Phillips	117,000	114,000	26	2,910,000	2,900	38	111,100	25
Pondera	98,000	95,000	40	3,840,000	12,000	48	83,000	39
Teton	51,000	50,000	36	1,810,000	7,400	46	42,600	35
Toole	192,000	188,000	31	5,814,000	100	40	187,900	31
NORTH CENTRAL	**1,636,000**	**1,599,000**	**31**	**48,859,000**	**44,000**	**45**	**1,555,000**	**30**
Daniels	195,000	190,000	13	2,422,000	300	40	189,700	13
Dawson	151,000	150,000	22	3,351,000	1,300	55	148,700	22
Garfield	56,000	55,000	22	1,235,000	300	40	54,700	22
McCone	161,000	159,000	19	3,043,000	1,500	39	157,500	19
Richland	162,000	159,000	19	3,019,000	8,900	64	150,100	16
Roosevelt	269,000	263,000	16	4,190,000	1,300	46	261,700	16
Sheridan	93,000	91,000	16	1,423,000	900	44	90,100	15
Valley	293,000	281,000	15	4,322,000	12,500	53	268,500	14
NORTHEAST	**1,380,000**	**1,348,000**	**17**	**23,005,000**	**27,000**	**55**	**1,321,000**	**16**
Broadwater	31,500	30,000	34	1,009,000	14,000	50	16,000	19
Cascade	28,500	27,500	36	992,000	3,900	52	23,600	33
Fergus	20,000	19,500	28	550,000	100	50	19,400	28
Golden Valley	21,000	18,000	15	270,000	900	33	17,100	14
Judith Basin	18,000	17,500	30	520,000	300	33	17,200	30
Lewis & Clark	7,000	6,900	36	245,000	3,500	54	3,400	16
Meagher	1,200	1,200	27	32,000	700	36	500	14
Musselshell	3,000	3,000	28	84,000	600	47	2,400	23
Petroleum	9,800	9,500	16	150,000	300	50	9,200	15
Wheatland	20,000	17,900	24	433,000	700	36	17,200	24
CENTRAL	**160,000**	**151,000**	**28**	**4,285,000**	**25,000**	**49**	**126,000**	**24**
Beaverhead	9,000	8,000	39	314,000	4,200	59	3,800	18
Gallatin	18,000	17,700	41	726,000	8,200	56	9,500	28
Jefferson	3,900	3,800	16	60,000	0	0	3,800	16
Madison	8,500	7,900	33	258,000	4,000	43	3,900	23
Silver Bow	600	600	28	17,000	200	50	400	18
SOUTHWEST	**40,000**	**38,000**	**36**	**1,375,000**	**16,600**	**54**	**21,400**	**23**
Big Horn	15,000	13,700	35	478,000	4,300	62	9,400	23
Carbon	8,700	8,600	26	225,000	2,500	52	6,100	16
Park	3,600	3,500	36	124,500	1,500	50	2,000	25
Stillwater	11,500	11,300	17	188,000	600	40	10,700	15
Sweet Grass	1,600	1,500	24	36,500	100	50	1,400	23
Treasure	1,600	1,600	64	102,000	1,300	72	300	27
Yellowstone	14,000	13,800	27	377,000	2,700	62	11,100	19
SOUTH CENTRAL	**56,000**	**54,000**	**28**	**1,531,000**	**13,000**	**58**	**41,000**	**19**
Carter	36,500	35,000	20	708,000	0	0	35,000	20
Custer	16,500	16,000	31	493,000	4,400	57	11,600	21
Fallon	50,000	39,900	19	765,000	0	0	39,900	19
Powder River	5,500	5,300	22	117,000	800	38	4,500	19
Prairie	15,000	14,800	29	432,000	1,200	58	13,600	27
Rosebud	13,000	11,800	35	413,000	5,300	57	6,500	17
Wibaux	41,500	40,200	24	947,000	300	50	39,900	23
SOUTHEAST	**178,000**	**163,000**	**24**	**3,875,000**	**12,000**	**55**	**151,000**	**21**
MONTANA	**3,500,000**	**3,400,000**	**25**	**85,000,000**	**158,000**	**52**	**3,242,000**	**24**

SPRING WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			--Bushels--			--Bu.--		--Bu.--
Deerlodge	1,000	1,000	49	49,000	900	52	100	20
Flathead	6,900	6,800	53	361,000	4,000	63	2,800	40
Granite	600	600	40	24,000	500	44	100	20
Lake	8,700	8,500	52	442,000	8,000	54	500	24
Lincoln	0	0	0	0	0	0	0	0
Mineral	100	100	20	2,000	0	0	100	20
Missoula	3,600	3,300	35	117,000	1,700	45	1,600	26
Powell	1,100	1,000	36	36,000	500	48	500	24
Ravalli	1,400	1,200	40	48,000	600	65	600	15
Sanders	1,600	1,500	45	68,000	800	56	700	33
NORTHWEST	**25,000**	**24,000**	**48**	**1,147,000**	**17,000**	**55**	**7,000**	**31**
Blaine	129,000	124,000	22	2,739,000	10,700	39	113,300	21
Chouteau	122,000	115,000	25	2,838,000	2,500	53	112,500	24
Glacier	129,000	126,000	27	3,416,000	6,000	40	120,000	26
Hill	294,000	290,000	28	8,060,000	1,200	46	288,800	28
Liberty	108,000	106,000	33	3,445,000	2,100	54	103,900	32
Phillips	100,000	90,000	16	1,417,000	3,000	54	87,000	14
Pondera	90,000	90,000	34	3,044,000	12,100	49	77,900	32
Teton	51,000	50,000	29	1,448,000	9,000	46	41,000	25
Toole	173,000	170,000	28	4,832,000	400	45	169,600	28
NORTH CENTRAL	**1,196,000**	**1,161,000**	**27**	**31,239,000**	**47,000**	**46**	**1,114,000**	**26**
Daniels	200,000	170,000	11	1,939,000	200	50	169,800	11
Dawson	104,000	91,000	18	1,617,000	1,000	46	90,000	17
Garfield	43,000	35,000	23	817,000	400	40	34,600	23
McCone	135,000	95,000	12	1,137,000	600	43	94,400	12
Richland	132,000	100,000	20	1,997,000	10,400	57	89,600	16
Roosevelt	250,000	168,000	11	1,928,000	400	43	167,600	11
Sheridan	92,000	80,000	14	1,081,000	200	45	79,800	13
Valley	240,000	195,000	12	2,305,000	12,500	53	182,500	9
NORTHEAST	**1,196,000**	**934,000**	**14**	**12,821,000**	**25,700**	**54**	**908,300**	**13**
Broadwater	26,000	25,000	36	898,000	11,700	58	13,300	17
Cascade	29,000	25,000	24	595,000	4,800	43	20,200	19
Fergus	24,000	23,000	24	550,000	900	48	22,100	23
Golden Valley	19,000	15,000	17	261,000	700	37	14,300	16
Judith Basin	22,000	20,000	21	417,000	300	37	19,700	21
Lewis & Clark	7,000	7,000	39	271,000	4,000	58	3,000	14
Meagher	2,500	2,000	21	42,000	500	52	1,500	11
Musselshell	5,000	4,000	20	79,000	300	47	3,700	18
Petroleum	10,500	10,000	20	198,000	600	42	9,400	18
Wheatland	13,000	12,000	16	193,000	200	40	11,800	16
CENTRAL	**158,000**	**143,000**	**25**	**3,504,000**	**24,000**	**53**	**119,000**	**19**
Beaverhead	5,800	4,800	46	223,000	4,000	53	800	15
Gallatin	14,700	14,000	54	755,000	10,400	61	3,600	34
Jefferson	3,000	3,000	18	53,000	300	50	2,700	14
Madison	6,300	6,000	29	176,000	3,000	47	3,000	12
Silver Bow	200	200	15	3,000	0	0	200	15
SOUTHWEST	**30,000**	**28,000**	**43**	**1,210,000**	**17,700**	**56**	**10,300**	**21**
Big Horn	10,700	10,500	44	464,000	5,700	65	4,800	19
Carbon	5,600	5,500	30	167,000	2,200	58	3,300	12
Park	3,000	3,000	42	125,000	1,700	61	1,300	16
Stillwater	6,600	6,000	18	109,000	500	66	5,500	14
Sweetgrass	1,000	1,000	15	15,000	100	50	900	11
Treasure	2,000	2,000	84	168,000	2,000	84	0	0
Yellowstone	9,100	8,000	40	318,000	4,200	59	3,800	18
SOUTH CENTRAL	**38,000**	**36,000**	**38**	**1,366,000**	**16,400**	**64**	**19,600**	**16**
Carter	27,000	25,000	18	457,000	0	0	25,000	18
Custer	13,000	11,000	30	330,000	2,000	60	9,000	23
Fallon	39,000	33,000	16	516,000	0	0	33,000	16
Powder River	5,500	5,000	26	128,000	900	42	4,100	22
Prairie	11,000	8,000	23	183,000	1,100	55	6,900	18
Rosebud	11,000	9,000	34	308,000	3,200	71	5 800	14
Wibaux	50,500	33,000	21	691,000	0	0	33,000	21
SOUTHEAST	**157,000**	**124,000**	**21**	**2,613,000**	**7,200**	**62**	**116,800**	**19**
MONTANA	**2,800,000**	**2,450,000**	**22**	**53,900,000**	**155,000**	**53**	**2,295,000**	**20**

DURUM WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			--Bushels--			--Bu.--		--Bu.--
Lake	100	100	40	4,000	100	40	0	0
Sanders	200	200	40	8,000	100	50	100	30
NORTHWEST	**300**	**300**	**40**	**12,000**	**200**	**45**	**100**	**30**
Blaine	2,600	2,500	36	90,000	100	40	2,400	36
Chouteau	9,100	9,000	35	313,000	0	0	9,000	35
Glacier	11,000	10,800	34	365,000	0	0	10,800	34
Hill	7,600	7,500	31	235,000	0	0	7,500	31
Liberty	4,100	4,000	29	115,000	0	0	4,000	29
Phillips	200	200	15	3,000	0	0	200	15
Pondera	10,400	10,000	39	391,000	1,300	52	8,700	37
Teton	12,100	12,000	38	454,500	200	48	11,800	38
Toole	9,100	9,000	31	276,500	300	45	8,700	30
NORTH CENTRAL	**66,200**	**65,000**	**35**	**2,243,000**	**1,900**	**50**	**63,100**	**34**
Daniels	4,100	4,000	15	61,000	0	0	4,000	15
Dawson	1,000	1,000	15	15,000	0	0	1,000	15
McCone	1,000	1,000	27	26,500	0	0	1,000	27
Richland	1,000	1,000	23	22,500	0	0	1,000	23
Roosevelt	37,000	35,000	14	498,000	0	0	35,000	14
Sheridan	220,600	219,000	13	2,905,000	1,300	69	217,700	13
Valley	1,000	1,000	30	30,000	600	42	400	13
NORTHEAST	**265,700**	**262,000**	**14**	**3,558,000**	**1,900**	**61**	**260,100**	**13**
Cascade	4,200	4,100	28	114,000	0	0	4,100	28
Fergus	500	500	34	17,000	0	0	500	34
Meagher	400	400	23	9,000	0	0	400	23
CENTRAL	**5,100**	**5,000**	**28**	**140,000**	**0**	**0**	**5,000**	**28**
Gallatin	100	100	50	5,000	100	50	0	0
Madison	300	300	40	12,000	300	40	0	0
SOUTHWEST	**400**	**400**	**43**	**17,000**	**400**	**43**	**0**	**0**
Big Horn	600	600	28	17,000	0	0	600	28
Carbon	100	100	40	4,000	100	40	0	0
Park	600	600	18	11,000	0	0	600	18
SOUTH CENTRAL	**1,300**	**1,300**	**25**	**32,000**	**100**	**40**	**1,200**	**23**
Fallon	200	200	20	4,000	0	0	200	20
Prairie	100	100	30	3,000	0	0	100	30
Wibaux	700	700	30	21,000	0	0	700	30
SOUTHEAST	**1,000**	**1,000**	**28**	**28,000**	**0**	**0**	**1,000**	**28**
MONTANA	**340,000**	**335,000**	**18**	**6,030,000**	**4,500**	**53**	**330,500**	**18**



DURUM WHEAT: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			--Bushels--			--Bu.--		--Bu.--
Blaine	1,100	1,000	25	25,000	0	0	1,000	25
Chouteau	5,400	5,000	33	163,000	800	71	4,200	25
Glacier	3,600	3,500	27	96,000	0	0	3,500	27
Hill	2,700	2,600	19	50,000	0	0	2,600	19
Liberty	3,800	3,500	26	90,000	0	0	3,500	26
Phillips	200	200	25	5,000	0	0	200	25
Pondera	5,600	5,200	41	214,000	2,600	58	2,600	25
Teton	8,100	7,000	34	235,000	0	0	7,000	34
Toole	6,300	6,000	33	199,000	0	0	6,000	33
NORTH CENTRAL	**36,800**	**34,000**	**32**	**1,077,000**	**3,400**	**61**	**30,600**	**28**
Daniels	2,100	1,900	12	23,000	0	0	1,900	12
Dawson	1,000	1,000	32	32,000	500	50	500	14
Garfield	100	100	20	2,000	0	0	100	20
McCone	700	500	12	6,000	0	0	500	12
Richland	1,100	1,000	15	15,000	0	0	1,000	15
Roosevelt	22,500	21,000	16	345,000	1,100	50	19,900	15
Sheridan	177,000	172,000	16	2,828,000	500	60	171,500	16
Valley	500	500	12	6,000	0	0	500	12
NORTHEAST	**205,000**	**198,000**	**16**	**3,257,000**	**2,100**	**52**	**195,900**	**16**
Broadwater	100	100	70	7,000	100	70	0	0
Cascade	800	800	73	58,000	800	73	0	0
Fergus	100	100	30	3,000	0	0	100	30
CENTRAL	**1,000**	**1,000**	**68**	**68,000**	**900**	**72**	**100**	**30**
Gallatin	100	100	80	8,000	100	80	0	0
Madison	100	100	70	7,000	100	70	0	0
SOUTHWEST	**200**	**200**	**75**	**15,000**	**200**	**75**	**0**	**0**
Big Horn	100	100	26	2,600	0	0	100	26
Carbon	100	100	28	2,800	0	0	100	28
Park	100	100	26	2,600	0	0	100	26
SOUTH CENTRAL	**300**	**300**	**27**	**8,000**	**0**	**0**	**300**	**27**
Rosebud	100	100	80	8,000	100	80	0	0
Wibaux	1,600	1,400	23	32,000	0	0	1,400	23
SOUTHEAST	**1,700**	**1,500**	**27**	**40,000**	**100**	**80**	**1,400**	**23**
MONTANA	**245,000**	**235,000**	**19**	**4,465,000**	**6,700**	**60**	**228,300**	**18**

BARLEY: Acreage, Yield, and Production, by Counties and Districts, 1989, CORRECTED

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			----Bushels----			--Bu.--		--Bu.--
Deerlodge	1,500	500	70	35,000	500	70	0	0
Flathead	34,100	33,100	67	2,210,000	15,600	74	17,500	61
Granite	800	500	58	29,000	400	60	100	50
Lake	15,000	13,000	44	568,000	7,500	50	5,500	35
Lincoln	0	0	0	0	0	0	0	0
Mineral	0	0	0	0	0	0	0	0
Missoula	2,300	1,500	41	62,000	800	50	700	31
Powell	5,000	3,600	68	244,000	2,800	73	800	50
Ravalli	7,100	7,000	62	436,000	5,100	70	1,900	41
Sanders	1,200	800	43	34,000	300	50	500	38
NORTHWEST	**67,000**	**60,000**	**60**	**3,618,000**	**33,000**	**67**	**27,000**	**53**
Blaine	38,000	37,000	44	1,616,000	5,500	65	31,500	40
Chouteau	188,000	184,000	45	8,252,000	1,500	69	182,500	45
Glacier	92,000	90,000	50	4,516,000	15,500	55	74,500	49
Hill	67,000	65,000	33	2,137,000	1,000	60	64,000	32
Liberty	48,000	47,000	46	2,152,000	1,300	67	45,700	45
Phillips	38,700	37,000	35	1,294,000	1,600	48	35,400	34
Pondera	111,800	106,000	54	5,774,000	31,700	63	74,300	51
Teton	115,500	112,000	57	6,374,000	47,000	68	65,000	49
Toole	75,000	73,000	48	3,533,000	1,900	56	71,100	48
NORTH CENTRAL	**774,000**	**751,000**	**47**	**35,648,000**	**107,000**	**64**	**644,000**	**45**
Daniels	25,000	22,000	17	373,000	0	0	22,000	17
Dawson	32,300	30,000	30	891,000	300	50	29,700	29
Garfield	17,700	17,000	39	662,000	0	0	17,000	39
McCone	35,000	32,000	28	911,000	100	50	31,900	28
Richland	39,000	36,000	23	824,000	1,400	66	34,600	21
Roosevelt	36,000	34,000	19	655,000	100	50	33,900	19
Sheridan	35,700	34,000	15	518,000	400	65	33,600	15
Valley	48,300	40,000	20	800,000	600	60	39,400	19
NORTHEAST	**269,000**	**245,000**	**23**	**5,634,000**	**2,900**	**62**	**242,100**	**23**
Broadwater	17,000	15,000	33	495,000	5,000	56	10,000	22
Cascade	77,000	75,000	47	3,538,000	10,200	65	64,800	44
Fergus	110,000	107,000	42	4,471,000	400	50	106,600	42
Golden Valley	8,000	7,500	33	248,000	200	50	7,300	33
Judith Basin	60,000	59,000	43	2,527,000	1,000	53	58,000	43
Lewis & Clark	12,500	12,000	50	594,000	6,000	68	6,000	31
Meagher	18,700	13,500	28	374,000	1,600	48	11,900	25
Musselshell	9,000	8,300	32	264,000	100	60	8,200	31
Petroleum	2,800	2,200	31	68,000	200	60	2,000	28
Wheatland	21,000	13,500	34	454,000	1,300	56	12,200	31
CENTRAL	**336,000**	**313,000**	**42**	**13,033,000**	**26,000**	**62**	**287,000**	**40**
Beaverhead	15,900	12,000	65	779,000	10,500	67	1,500	50
Gallatin	58,500	57,000	53	3,022,000	21,000	72	36,000	42
Jefferson	3,000	2,400	26	62,000	300	70	2,100	20
Madison	11,000	9,100	44	402,000	6,700	52	2,400	23
Silver Bow	600	500	50	25,000	500	50	0	0
SOUTHWEST	**89,000**	**81,000**	**53**	**4,290,000**	**39,000**	**67**	**42,000**	**40**
Big Horn	23,400	23,000	51	1,171,000	9,300	76	13,700	34
Carbon	13,900	11,900	69	816,000	8,600	84	3,300	27
Park	10,600	8,800	40	349,000	3,200	52	5,600	33
Stillwater	16,800	16,500	27	450,000	500	82	16,000	26
Sweet Grass	4,500	3,700	38	141,000	900	71	2,800	28
Treasure	3,600	2,800	83	232,000	2,800	83	0	0
Yellowstone	24,200	23,300	56	1,296,000	12,700	76	10,600	32
SOUTH CENTRAL	**97,000**	**90,000**	**50**	**4,455,000**	**38,000**	**76**	**52,000**	**30**
Carter	6,800	5,800	23	131,000	0	0	5,800	23
Custer	10,200	7,500	35	259,000	700	63	6,800	32
Fallon	12,000	11,000	28	306,000	0	0	11,000	28
Powder River	6,700	5,700	32	183,000	100	50	5,600	32
Prairie	9,200	8,000	38	307,000	600	60	7,400	37
Rosebud	13,400	13,000	47	617,000	2,700	80	10,300	39
Wibaux	9,700	9,000	35	319,000	0	0	9,000	35
SOUTHEAST	**68,000**	**60,000**	**35**	**2,122,000**	**4,100**	**73**	**55,900**	**33**
MONTANA	**1,700,000**	**1,600,000**	**43**	**68,800,000**	**250,000**	**66**	**1,350,000**	**39**

BARLEY: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			-----Bushels-----			--Bu.--		--Bu.--
Deerlodge	1,300	800	74	59,000	800	74	0	0
Flathead	32,600	30,300	70	2,124,000	12,400	76	17,900	66
Granite	1,200	400	65	26,000	400	65	0	0
Lake	10,000	8,100	56	451,000	4,800	63	3,300	45
Lincoln	100	100	70	7,000	100	70	0	0
Mineral	100	100	70	7,000	100	70	0	0
Missoula	2,700	2,100	34	71,000	1,000	44	1,100	25
Powell	4,000	1,300	52	67,000	1,000	59	300	27
Ravalli	6,200	5,100	57	291,000	4,100	63	1,000	31
Sanders	800	700	46	32,000	300	70	400	28
NORTHWEST	**59,000**	**49,000**	**64**	**3,135,000**	**25,000**	**69**	**24,000**	**59**
Blaine	37,800	33,100	36	1,200,000	7,500	70	25,600	26
Chouteau	180,000	152,000	38	5,775,000	1,500	72	150,500	38
Glacier	100,000	95,000	41	3,860,000	15,700	68	79,300	35
Hill	65,000	62,000	27	1,680,000	1,200	72	60,800	26
Liberty	45,200	43,500	42	1,843,000	1,300	72	42,200	41
Phillips	38,000	30,400	23	696,000	3,100	33	27,300	22
Pondera	120,000	113,000	57	6,392,000	43,100	76	69,900	45
Teton	129,000	122,000	61	7,400,000	56,000	80	66,000	44
Toole	73,000	70,000	46	3,206,000	1,600	66	68,400	45
NORTH CENTRAL	**788,000**	**721,000**	**44**	**32,052,000**	**131,000**	**75**	**590,000**	**38**
Daniels	19,200	12,700	15	187,000	100	60	12,600	14
Dawson	25,000	19,100	21	398,000	500	66	18,600	20
Garfield	14,200	11,700	26	306,000	400	60	11,300	25
McCone	28,300	16,100	16	260,000	100	60	16,000	16
Richland	34,600	20,500	25	507,000	1,300	75	19,200	21
Roosevelt	25,400	12,700	15	187,000	200	50	12,500	14
Sheridan	27,500	21,100	16	337,000	300	70	20,800	15
Valley	33,800	25,100	15	369,000	2,100	41	23,000	12
NORTHEAST	**208,000**	**139,000**	**18**	**2,551,000**	**5,000**	**57**	**134,000**	**17**
Broadwater	15,900	15,200	46	692,000	7,600	72	7,600	19
Cascade	65,000	57,000	44	2,490,000	12,200	81	44,800	34
Fergus	99,000	93,000	31	2,919,000	500	60	92,500	31
Golden Valley	7,100	3,600	26	92,000	800	40	2,800	21
Judith Basin	61,000	56,000	24	1,358,000	1,200	58	54,800	24
Lewis & Clark	12,500	12,200	58	704,000	6,900	79	5,300	30
Meagher	16,600	9,300	34	320,000	3,200	64	6,100	19
Musselshell	8,000	6,900	29	202,000	200	80	6,700	28
Petroleum	2,800	1,700	35	60,000	300	53	1,400	31
Wheatland	19,100	17,100	24	407,000	2,100	45	15,000	21
CENTRAL	**307,000**	**272,000**	**34**	**9,244,000**	**35,000**	**73**	**237,000**	**28**
Beaverhead	13,600	9,700	42	411,000	7,000	51	2,700	20
Gallatin	53,000	49,200	56	2,768,000	19,700	79	29,500	41
Jefferson	3,600	1,600	27	43,000	500	52	1,100	15
Madison	11,100	9,000	56	506,000	8,300	58	700	30
Silver Bow	700	500	62	31,000	500	62	0	0
SOUTHWEST	**82,000**	**70,000**	**54**	**3,759,000**	**36,000**	**68**	**34,000**	**38**
Big Horn	24,400	21,700	62	1,355,000	10,200	87	11,500	41
Carbon	14,400	13,400	72	961,000	9,200	91	4,200	30
Park	11,400	8,700	41	353,000	3,800	68	4,900	20
Stillwater	17,400	16,400	23	372,000	1,000	89	15,400	18
Sweetgrass	4,500	3,400	26	90,000	500	54	2,900	22
Treasure	3,100	2,500	84	211,000	2,100	92	400	45
Yellowstone	25,800	22,900	61	1,387,000	12,200	88	10,700	29
SOUTH CENTRAL	**101,000**	**89,000**	**53**	**4,729,000**	**39,000**	**86**	**50,000**	**27**
Carter	5,400	3,400	23	79,000	0	0	3,400	23
Custer	8,000	5,700	37	211,000	1,200	63	4,500	30
Fallon	10,200	6,800	11	74,000	0	0	6,800	11
Powder River	5,700	4,600	29	132,000	200	50	4,400	28
Prairie	7,200	5,600	33	182,000	700	46	4,900	31
Rosebud	11,000	9,200	35	320,000	1,900	63	7,300	27
Wibaux	7,500	4,700	24	112,000	0	0	4,700	24
SOUTHEAST	**55,000**	**40,000**	**28**	**1,110,000**	**4,000**	**60**	**36,000**	**24**
MONTANA	**1,600,000**	**1,380,000**	**41**	**56,580,000**	**275,000**	**74**	**1,105,000**	**33**

OATS: Acreage, Yield, and Production, by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			----Bushels----			--Bu.--		--Bu.--
Deerlodge	100	0	0	0	0	0	0	0
Flathead	3,000	2,000	50	100,000	800	69	1,200	38
Granite	400	200	60	12,000	100	80	100	40
Lake	5,500	4,400	62	272,000	3,500	69	900	33
Lincoln	0	0	0	0	0	0	0	0
Mineral	200	100	30	3,000	0	0	100	30
Missoula	1,800	800	75	60,000	500	90	300	50
Powell	1,500	400	50	20,000	200	75	200	25
Ravalli	1,500	1,500	79	118,000	1,400	82	100	30
Sanders	2,000	600	75	45,000	500	80	100	50
NORTHWEST	**16,000**	**10,000**	**63**	**630,000**	**7,000**	**74**	**3,000**	**37**
Blaine	9,500	5,100	54	277,000	1,800	71	3,300	45
Chouteau	7,500	7,100	40	285,000	0	0	7,100	40
Glacier	5,000	2,800	61	170,000	700	86	2,100	52
Hill	6,200	2,000	40	80,000	0	0	2,000	40
Liberty	3,000	900	44	40,000	0	0	900	44
Phillips	11,500	5,300	45	239,000	1,000	69	4,300	40
Pondera	3,300	2,500	59	148,000	600	88	1,900	50
Teton	2,000	1,800	62	111,000	900	68	900	56
Toole	4,000	1,500	47	70,000	0	0	1,500	47
NORTH CENTRAL	**52,000**	**29,000**	**49**	**1,420,000**	**5,000**	**74**	**24,000**	**44**
Daniels	7,500	3,200	20	65,000	0	0	3,200	20
Dawson	11,000	7,200	47	340,000	1,400	86	5,800	38
Garfield	8,500	4,300	36	155,000	0	0	4,300	36
McCone	9,000	3,900	33	130,000	0	0	3,900	33
Richland	18,000	9,600	38	369,000	2,100	92	7,500	23
Roosevelt	11,000	4,600	26	120,000	200	75	4,400	24
Sheridan	11,000	6,900	20	137,000	100	70	6,800	19
Valley	9,000	3,300	25	84,000	200	70	3,100	23
NORTHEAST	**85,000**	**43,000**	**33**	**1,400,000**	**4,000**	**88**	**39,000**	**27**
Broadwater	1,400	1,300	58	75,000	900	76	400	18
Cascade	5,000	3,500	45	158,000	300	60	3,200	44
Fergus	6,500	4,700	48	225,000	0	0	4,700	48
Golden Valley	1,500	1,400	44	61,000	100	60	1,300	42
Judith Basin	4,600	4,000	58	231,000	400	65	3,600	57
Lewis & Clark	2,500	1,200	78	93,000	1,100	81	100	40
Meagher	2,500	1,600	41	65,000	900	56	700	21
Musselshell	2,500	1,500	40	60,000	700	50	800	31
Petroleum	500	500	54	27,000	400	63	100	20
Wheatland	2,000	1,300	73	95,000	1,200	78	100	20
CENTRAL	**29,000**	**21,000**	**52**	**1,090,000**	**6,000**	**68**	**15,000**	**45**
Beaverhead	1,800	900	78	70,000	900	78	0	0
Gallatin	2,900	2,400	60	143,000	1,500	71	900	41
Jefferson	1,000	900	76	68,000	800	81	100	30
Madison	2,000	700	60	42,000	700	60	0	0
Silver Bow	300	100	70	7,000	100	70	0	0
SOUTHWEST	**8,000**	**5,000**	**66**	**330,000**	**4,000**	**73**	**1,000**	**40**
Big Horn	5,000	3,100	55	169,000	600	88	2,500	46
Carbon	4,500	2,700	62	168,000	1,800	75	900	37
Park	3,000	2,400	57	137,000	1,600	66	800	40
Stillwater	2,800	2,200	43	95,000	400	68	1,800	38
Sweet Grass	3,400	2,000	56	111,000	1,800	58	200	30
Treasure	1,300	1,100	68	75,000	500	90	600	50
Yellowstone	5,000	4,500	57	255,000	1,800	83	2,700	39
SOUTH CENTRAL	**25,000**	**18,000**	**56**	**1,010,000**	**8,500**	**73**	**9,500**	**41**
Carter	7,000	2,700	22	60,000	0	0	2,700	22
Custer	4,500	2,400	55	133,000	800	79	1,600	44
Fallon	8,000	3,400	35	120,000	0	0	3,400	35
Powder River	5,000	3,900	40	155,000	0	0	3,900	40
Prairie	3,000	1,100	57	63,000	200	75	900	53
Rosebud	3,500	2,300	52	119,000	500	64	1,800	48
Wibaux	4,000	3,200	44	140,000	0	0	3,200	44
SOUTHEAST	**35,000**	**19,000**	**42**	**790,000**	**1,500**	**73**	**17,500**	**39**
MONTANA	**250,000**	**145,000**	**46**	**6,670,000**	**36,000**	**74**	**109,000**	**37**

OATS: Acreage, Yield, and Production, by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL				IRRIGATED		NON-IRRIGATED	
	Planted Acres	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
			----Bushels----			--Bu.--		--Bu.--
Deerlodge	300	100	30	3,000	0	0	100	30
Flathead	900	800	60	48,000	300	83	500	46
Granite	300	100	30	3,000	0	0	100	30
Lake	3,000	2,300	80	185,000	2,300	80	0	0
Lincoln	500	200	70	14,000	200	70	0	0
Mineral	300	100	30	3,000	0	0	100	30
Missoula	600	600	58	35,000	400	65	200	45
Powell	1,100	400	40	16,000	200	55	200	25
Ravalli	2,400	1000	93	93,000	1,000	93	0	0
Sanders	1,100	400	75	30,000	300	87	100	40
NORTHWEST	**10,500**	**6,000**	**72**	**430,000**	**4,700**	**81**	**1,300**	**39**
Blaine	6,000	1,900	46	87,000	800	55	1,100	39
Chouteau	3,200	2,500	40	101,000	0	0	2,500	40
Glacier	2,500	1,400	41	58,000	100	70	1,300	39
Hill	2,300	1,300	28	36,000	0	0	1,300	28
Liberty	1,000	500	54	27,000	200	75	300	40
Phillips	9,300	3,000	26	79,000	500	62	2,500	19
Pondera	2,400	1,200	49	59,000	100	70	1,100	47
Teton	1,800	1,200	48	58,000	200	55	1,000	47
Toole	1,500	1,000	60	60,000	0	0	1,000	60
NORTH CENTRAL	**30,000**	**14,000**	**40**	**565,000**	**1,900**	**61**	**12,100**	**37**
Daniels	3,300	1,300	10	13,000	0	0	1,300	10
Dawson	6,700	2,900	31	91,000	800	66	2,100	18
Garfield	5,800	2,600	15	38,000	0	0	2,600	15
McCone	6,000	2,300	18	41,000	0	0	2,300	18
Richland	13,000	4,100	32	131,000	1,100	80	3,000	14
Roosevelt	8,500	2,100	20	41,000	200	85	1,900	13
Sheridan	7,000	3,200	16	50,000	0	0	3,200	16
Valley	6,700	1,500	23	35,000	200	60	1,300	18
NORTHEAST	**57,000**	**20,000**	**22**	**440,000**	**2,300**	**74**	**17,700**	**15**
Broadwater	1,400	600	50	30,000	500	56	100	20
Cascade	2,700	1,800	34	62,000	200	55	1,600	32
Fergus	4,700	2,100	37	77,000	100	60	2,000	36
Golden Valley	1,100	800	31	25,000	200	50	600	25
Judith Basin	3,100	1,800	31	55,000	300	57	1,500	25
Lewis & Clark	1,800	900	58	52,000	700	69	200	20
Meagher	1,900	600	42	25,000	300	60	300	23
Musselshell	2,000	700	31	22,000	200	60	500	20
Petroleum	400	200	55	11,000	200	55	0	0
Wheatland	900	500	42	21,000	400	48	100	20
CENTRAL	**20,000**	**10,000**	**38**	**380,000**	**3,100**	**58**	**6,900**	**29**
Beaverhead	800	500	80	40,000	500	80	0	0
Gallatin	1,900	1,100	54	59,000	500	72	600	38
Jefferson	1,600	700	59	41,000	600	63	100	30
Madison	2,000	600	70	42,000	500	76	100	40
Silver Bow	200	100	80	8,000	100	80	0	0
SOUTHWEST	**6,500**	**3,000**	**63**	**190,000**	**2,200**	**73**	**800**	**38**
Big Horn	2,100	1,500	70	105,000	300	77	1,200	68
Carbon	2,700	1,100	66	72,000	1,000	68	100	40
Park	2,300	1,200	60	72,000	1,100	62	100	40
Stillwater	1,400	900	46	41,000	400	65	500	30
Sweetgrass	2,800	1,400	49	69,000	900	58	500	34
Treasure	800	400	78	31,000	400	78	0	0
Yellowstone	2,400	1,500	47	70,000	700	74	800	23
SOUTH CENTRAL	**14,500**	**8,000**	**58**	**460,000**	**4,800**	**67**	**3,200**	**44**
Carter	3,300	800	19	15,000	0	0	800	19
Custer	2,500	900	57	51,000	400	80	500	38
Fallon	4,200	900	13	12,000	0	0	900	13
Powder River	3,500	2,100	44	92,000	0	0	2,100	44
Prairie	2,000	700	50	35,000	200	75	500	40
Rosebud	2,500	1,600	53	85,000	400	70	1,200	48
Wibaux	3,500	2,000	23	45,000	0	0	2,000	23
SOUTHEAST	**21,500**	**9,000**	**37**	**335,000**	**1,000**	**75**	**8,000**	**33**
MONTANA	**160,000**	**70,000**	**40**	**2,800,000**	**20,000**	**70**	**50,000**	**28**

CORN: Acreage, Utilization, and Yield By Counties, Irrigated and Non-Irrigated, 1989

COUNTY & DISTRICT	ACRES			HARVESTED FOR SILAGE			
				Irrigated		Non-Irrigated	
	Total Planted	Harvested For Grain	Harvested For Silage	Harvested Acres	Yield Per Acre -Ton-	Harvested Acres	Yield Per Acre -Ton-
Flathead	200	0	200	100	20	100	4
Lake	800	0	800	700	20	100	4
Missoula	100	0	100	100	20	0	0
Ravalli	400	0	400	400	20	0	0
NORTHWEST	1,500	0	1,500	1,300	20	200	4
Blaine	1,000	0	1,000	1,000	21	0	0
Chouteau	100	0	100	100	20	0	0
Hill	100	0	100	100	20	0	0
Phillips	300	0	300	200	20	100	4
NORTH CENTRAL	1,500	0	1,500	1,400	21	100	4
Dawson	4,100	500	3,600	3,500	14	200	4
Garfield	200	0	200	200	18	0	0
McCone	100	0	100	100	18	0	0
Richland	8,000	200	7,700	6,000	20	1,600	4
Roosevelt	2,000	200	1,800	800	18	1,000	4
Sheridan	100	0	100	100	18	0	0
Valley	1,500	0	1,500	1,400	19	100	4
NORTHEAST	16,000	900	15,000	12,100	18	2,900	4
Cascade	500	0	500	500	22	0	0
Fergus	100	0	100	100	20	0	0
Golden Valley	100	0	100	100	20	0	0
Musselshell	300	0	300	300	23	0	0
CENTRAL	1,000	0	1,000	1,000	22	0	0
Big Horn	5,000	100	4,900	4,900	18	0	0
Carbon	9,200	600	8,600	8,600	19	0	0
Stillwater	2,000	0	2,000	2,000	20	0	0
Treasure	4,500	400	4,000	4,000	19	0	0
Yellowstone	19,300	500	18,700	18,600	20	100	5
SOUTH CENTRAL	40,000	1,600	38,200	38,100	19	100	5
Carter	100	0	100	0	0	100	5
Custer	5,700	900	4,800	4,500	17	300	4
Fallon	500	0	500	100	20	400	3
Powder River	300	0	300	200	20	100	4
Prairie	5,700	100	5,200	5,200	18	0	0
Rosebud	6,700	500	5,900	5,900	21	0	0
Wibaux	1,000	0	1,000	200	20	800	4
SOUTHEAST	20,000	1,500	17,800	16,100	19	1,700	4
MONTANA	80,000	4,000	75,000	70,000	19	5,000	4

CORN: Acreage, Utilization, and Yield By Counties, Irrigated and Non-Irrigated, 1990

COUNTY & DISTRICT	ACRES			HARVESTED FOR SILAGE			
				Irrigated		Non-Irrigated	
	Total Planted	Harvested For Grain	Harvested For Silage	Harvested Acres	Yield Per Acre -Ton-	Harvested Acres	Yield Per Acre -Ton-
Flathead	100	0	100	0	0.0	100	8.0
Lake	500	0	500	500	17.0	0	0.0
Missoula	100	0	100	0	0.0	100	8.0
Ravalli	300	0	300	300	25.0	0	0.0
NORTHWEST	**1,000**	**0**	**1,000**	**800**	**20.0**	**200**	**8.0**
Blaine	1,000	100	900	800	12.5	100	8.0
Chouteau	100	0	100	100	12.0	0	0.0
Hill	100	0	100	100	12.0	0	0.0
Phillips	300	0	300	300	15.0	0	0.0
NORTH CENTRAL	**1,500**	**100**	**1,400**	**1,300**	**13.0**	**100**	**8.0**
Dawson	3,400	600	2,700	2,600	16.7	100	8.0
Garfield	500	100	400	300	11.0	100	8.0
McCone	200	0	200	200	5.5	0	0.0
Richland	7,000	1,000	5,800	4,200	19.8	1,600	6.0
Roosevelt	1,600	100	1,500	1,200	10.9	300	10.0
Sheridan	100	0	100	0	0.0	100	8.0
Valley	1,200	0	1,200	1,200	12.2	0	0.0
NORTHEAST	**14,000**	**1,800**	**11,900**	**9,700**	**16.4**	**2,200**	**6.8**
Cascade	200	0	200	200	15.5	0	0.0
Fergus	100	0	100	100	16.0	0	0.0
Golden Valley	200	0	200	200	16.5	0	0.0
Judith Basin	100	0	100	100	20.0	0	0.0
Musselshell	400	0	400	400	22.0	0	0.0
CENTRAL	**1,000**	**0**	**1,000**	**1,000**	**18.8**	**0**	**0.0**
Big Horn	4,000	0	4,000	3,900	20.5	100	8.0
Carbon	6,000	600	5,300	5,200	20.9	100	8.0
Stillwater	1,800	200	1,600	1,500	20.8	100	11.0
Sweetgrass	100	0	100	100	19.0	0	0.0
Treasure	4,400	400	4,000	4,000	24.6	0	0.0
Yellowstone	14,200	900	13,200	13,200	21.5	0	0.0
SOUTH CENTRAL	**30,500**	**2,100**	**28,200**	**27,900**	**21.6**	**300**	**9.0**
Carter	600	600	0	0	0.0	0	0.0
Custer	5,200	2,500	2,500	2,200	21.0	300	10.0
Fallon	600	0	600	400	17.5	200	10.0
Powder River	300	0	300	200	17.5	100	10.0
Prairie	3,700	800	2,800	2,800	18.6	0	0.0
Rosebud	5,700	1,100	4,400	4,400	19.3	0	0.0
Wibaux	900	0	900	300	17.7	600	9.8
SOUTHEAST	**17,000**	**5,000**	**11,500**	**10,300**	**19.3**	**1,200**	**9.9**
MONTANA	**65,000**	**9,000**	**55,000**	**51,000**	**19.9**	**4,000**	**8.0**

CORN FOR GRAIN: Acreage, Yield, and Production, By Counties, Principally Irrigated, 1989-1990

COUNTY & DISTRICT	1989 Harvested Acres	1989 Yield Per Acre	1989 Production	1990 Harvested Acres	1990 Yield Per Acre	1990 Production
		--Bushels--			--Bushels--	
Blaine	0	0	0	100	98.0	9,800
NORTH CENTRAL	**0**	**0**	**0**	**100**	**98.0**	**9,800**
Dawson	500	82	41,000	600	83.0	49,800
Garfield	0	0	0	100	83.0	8,300
Richland	200	85	17,000	1,000	77.6	77,600
Roosevelt	200	70	14,000	100	74.0	7,400
NORTHEAST	**900**	**80**	**72,000**	**1,800**	**79.5**	**143,100**
Big Horn	100	80	8,000	0	0	0
Carbon	600	63	38,000	600	102.7	61,600
Stillwater	0	0	0	200	86.5	17,300
Treasure	400	85	34,000	400	108.3	43,300
Yellowstone	500	70	35,000	900	91.7	82,500
SOUTH CENTRAL	**1,600**	**72**	**115,000**	**2,100**	**97.5**	**204,700**
Carter	0	0	0	600	102.2	61,300
Custer	900	89	80,000	2,500	106.9	267,200
Prairie	100	90	9,000	800	88.8	71,000
Rosebud	500	88	44,000	1,100	89.0	97,900
SOUTHEAST	**1,500**	**89**	**133,000**	**5,000**	**99.5**	**467,400**
MONTANA	**4,000**	**80**	**320,000**	**9,000**	**95.0**	**855,000**

POTATOES: Acreage, Yield, and Production, By Counties, Principally Irrigated, 1989-1990

COUNTY & DISTRICT	1989 Planted Acres	1989 Harvested Acres	1989 Yield Per Acre	1989 Production	1990 Planted Acres	1990 Harvested Acres	1990 Yield Per Acre	1990 Production
			--Cwt.--				--Cwt.--	
Deer Lodge & Powell	880	870	270	234,900	1,000	990	270	267,300
Flathead	1,090	1,070	320	342,400	960	950	250	237,500
Lake	2,140	2,110	270	569,800	2,260	2,230	260	569,800
Missoula	30	30	210	6,300	30	30	210	6,300
Ravalli	50	50	210	10,500	80	80	200	16,000
NORTHWEST	**4,190**	**4,130**	**282**	**1,163,900**	**4,330**	**4,280**	**256**	**1,096,900**
NORTH CENTRAL	**70**	**70**	**170**	**11,900**	**70**	**70**	**220**	**15,400**
NORTHEAST	**70**	**70**	**200**	**14,000**	**70**	**70**	**230**	**16,100**
Broadwater	250	250	300	75,000	520	510	270	137,700
Other Counties	60	60	200	12,000	60	60	215	12,900
CENTRAL	**310**	**310**	**280**	**87,000**	**580**	**570**	**264**	**150,600**
Beaverhead	350	340	270	91,800	410	400	310	124,000
Gallatin	2,890	2,860	280	800,800	3,140	3,110	320	995,200
Madison	200	200	200	40,000	280	280	260	72,800
SOUTHWEST	**3,440**	**3,400**	**274**	**932,600**	**3,830**	**3,790**	**315**	**1,192,000**
SOUTH CENTRAL	**60**	**60**	**160**	**9,600**	**60**	**60**	**180**	**10,800**
SOUTHEAST	**60**	**60**	**150**	**9,000**	**60**	**60**	**170**	**10,200**
MONTANA	**8,200**	**8,100**	**275**	**2,228,000**	**9,000**	**8,900**	**280**	**2,492,000**

SUGAR BEETS: Acreage, Yield, and Production, By Counties, All Irrigated, 1989-1990

COUNTY & DISTRICT	1989 Planted Acres	1989 Harvested Acres	1989 Yield Per Acre	1989 Production	1990 Planted Acres	1990 Harvested Acres	1990 Yield Per Acre	1990 Production
			--Tons--				--Tons--	
Dawson	3,540	3,400	20.0	68,000	3,550	3,540	22.6	80,000
Richland	16,120	16,080	22.6	363,500	16,450	16,420	23.1	379,600
Roosevelt	770	770	19.7	15,200	790	790	14.7	11,600
Sheridan	130	0	0.0	0	130	130	7.7	1,000
NORTHEAST	**20,560**	**20,250**	**22.1**	**446,700**	**20,920**	**20,880**	**22.6**	**472,200**
Big Horn	7,080	7,010	21.0	146,900	7,610	7,600	22.1	167,600
Carbon	6,550	6,490	19.1	123,700	6,930	6,920	22.2	153,400
Stillwater	800	760	18.8	14,300	760	760	18.8	14,300
Treasure	4,140	4,140	17.5	72,300	4,150	4,150	23.3	96,800
Yellowstone	8,900	8,590	16.7	143,800	9,230	9,210	23.2	214,100
SOUTH CENTRAL	**27,470**	**26,990**	**18.6**	**501,000**	**28,680**	**28,640**	**22.6**	**646,200**
Custer	150	150	21.3	3,200	960	960	22.0	21,100
Prairie	2,620	2,620	16.7	43,800	2,670	2,650	22.1	58,600
Rosebud	1,900	1,890	20.3	38,300	1,970	1,970	21.3	41,900
SOUTHEAST	**4,670**	**4,660**	**18.3**	**85,300**	**5,600**	**5,580**	**21.8**	**121,600**
MONTANA	**52,700**	**51,900**	**19.9**	**1,033,000**	**55,200**	**55,100**	**22.5**	**1,240,000**

DRY BEANS: Acreage, Yield, and Production By Counties, All Irrigated, 1989-1990

COUNTY & DISTRICT	1989 Planted Acres	1989 Harvested Acres	1989 Yield Per Acre	1989 Production	1990 Planted Acres	1990 Harvested Acres	1990 Yield Per Acre	1990 Production
			--Lbs.--	--Cwt.--			--Lbs.--	--Cwt.--
Blaine	0	0	0	0	1,600	1,500	1,570	23,600
NORTH CENTRAL	**0**	**0**	**0**	**0**	**1,600**	**1,500**	**1,570**	**23,600**
Dawson	1,400	1,400	2,200	31,000	1,800	1,700	1,700	28,900
Richland	2,300	2,200	2,100	47,000	2,800	2,800	1,690	47,300
NORTHEAST	**3,700**	**3,600**	**2,200**	**78,000**	**4,600**	**4,500**	**1,690**	**76,200**
Big Horn	100	100	2,300	2,300	400	400	1,700	6,800
Carbon	1,200	1,200	2,300	28,000	3,000	2,800	1,750	49,000
Stillwater	100	100	2,100	2,100	0	0	0	0
Treasure	100	100	2,200	2,200	400	400	1,700	6,800
Yellowstone	300	300	2,100	6,400	1,400	1,400	1,690	23,700
SOUTH CENTRAL	**1,800**	**1,800**	**2,300**	**41,000**	**5,200**	**5,000**	**1,730**	**86,300**
Custer	200	200	2,200	4,400	100	100	1,700	1,700
Prairie	100	100	2,200	2,200	100	100	1,700	1,700
Rosebud	200	200	2,200	4,400	1,900	1,800	1,690	30,500
SOUTHEAST	**500**	**500**	**2,200**	**11,000**	**2,100**	**2,000**	**1,700**	**33,900**
MONTANA	**6,000**	**5,900**	**2,200**	**130,000**	**13,500**	**13,000**	**1,690**	**220,000**

ALL HAY: Acreage, Yield, and Production by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
		-----Tons-----			-Tons-		-Tons-
Deer Lodge	11,000	2.5	28,000	11,000	2.5	0	0.0
Flathead	35,000	2.3	81,500	19,500	2.9	15,500	1.6
Granite	32,000	2.2	71,000	31,000	2.3	1,000	1.0
Lake	67,000	2.5	165,000	49,000	3.0	18,000	1.1
Lincoln	13,000	2.2	28,500	8,500	2.7	4,500	1.2
Mineral	3,500	1.7	6,000	1,500	2.7	2,000	1.0
Missoula	28,000	2.2	62,500	22,500	2.4	5,500	1.4
Powell	59,000	2.2	130,000	53,500	2.3	5,500	1.1
Ravalli	44,500	3.1	136,500	43,000	3.1	1,500	1.0
Sanders	37,000	1.9	71,000	20,500	2.8	16,500	0.8
NORTHWEST	**330,000**	**2.4**	**780,000**	**260,000**	**2.7**	**70,000**	**1.1**
Blaine	41,000	2.1	86,000	23,000	2.7	18,000	1.3
Chouteau	31,000	2.0	61,000	11,500	2.7	19,500	1.5
Glacier	29,000	1.9	56,500	12,500	2.8	16,500	1.3
Hill	16,500	1.6	26,500	3,000	2.8	13,500	1.3
Liberty	6,500	1.6	10,500	1,000	2.5	5,500	1.5
Phillips	65,000	1.8	116,500	31,500	2.5	33,500	1.1
Pondera	24,000	2.2	52,500	12,000	3.0	12,000	1.4
Teton	48,000	2.4	117,000	31,500	3.0	16,500	1.3
Toole	14,000	1.7	23,500	3,000	3.0	11,000	1.3
NORTH CENTRAL	**275,000**	**2.0**	**550,000**	**129,000**	**2.8**	**146,000**	**1.3**
Daniels	24,500	0.9	23,000	1,500	2.7	23,000	0.8
Dawson	42,000	1.3	56,000	7,000	2.9	35,000	1.0
Garfield	27,000	1.3	35,000	3,500	2.6	23,500	1.1
McCone	47,000	1.3	62,500	5,000	2.5	42,000	1.2
Richland	44,500	1.4	64,500	8,000	3.2	36,500	1.1
Roosevelt	40,000	1.3	52,500	8,000	2.7	32,000	1.0
Sheridan	35,000	1.1	40,000	5,000	2.8	30,000	0.9
Valley	58,000	1.8	101,500	27,000	2.7	31,000	0.9
NORTHEAST	**318,000**	**1.4**	**435,000**	**65,000**	**2.8**	**253,000**	**1.0**
Broadwater	27,500	2.8	78,000	25,500	3.0	2,000	1.0
Cascade	68,000	1.7	113,000	14,000	2.7	54,000	1.4
Fergus	121,000	1.7	203,000	16,000	2.4	105,000	1.6
Golden Valley	17,500	1.9	32,500	7,000	2.9	10,500	1.2
Judith Basin	54,000	1.7	94,000	8,000	2.6	46,000	1.6
Lewis & Clark	42,000	2.4	101,000	29,000	2.8	13,000	1.5
Meagher	44,000	1.9	85,500	35,000	2.1	9,000	1.2
Musselshell	31,000	1.5	46,500	7,500	2.8	23,500	1.1
Petroleum	17,000	2.0	33,500	9,500	2.5	7,500	1.3
Wheatland	20,000	2.1	41,000	13,500	2.4	6,500	1.4
CENTRAL	**442,000**	**1.9**	**828,000**	**165,000**	**2.6**	**277,000**	**1.4**
Beaverhead	146,000	2.1	303,000	140,000	2.1	6,000	1.0
Gallatin	77,000	2.5	191,500	53,000	3.0	24,000	1.4
Jefferson	34,000	2.3	77,000	28,000	2.5	6,000	1.2
Madison	95,000	2.4	231,500	88,000	2.5	7,000	1.1
Silver Bow	8,000	2.4	19,000	7,000	2.6	1,000	1.0
SOUTHWEST	**360,000**	**2.3**	**822,000**	**316,000**	**2.4**	**44,000**	**1.3**
Big Horn	64,000	2.0	125,500	21,000	3.3	43,000	1.3
Carbon	52,000	2.2	114,500	36,000	2.6	16,000	1.2
Park	59,000	2.3	137,000	52,000	2.5	7,000	1.4
Stillwater	56,000	1.5	86,500	17,500	2.6	38,500	1.1
Sweet Grass	52,000	1.9	97,000	29,000	2.4	23,000	1.2
Treasure	12,000	2.3	28,000	6,500	3.1	5,500	1.5
Yellowstone	55,000	2.1	114,500	26,000	3.1	29,000	1.2
SOUTH CENTRAL	**350,000**	**2.0**	**703,000**	**188,000**	**2.7**	**162,000**	**1.2**
Carter	58,000	0.9	54,500	2,500	2.8	55,500	0.9
Custer	36,000	1.7	61,500	10,500	3.2	25,500	1.1
Fallon	46,000	0.9	42,500	2,500	2.2	43,500	0.9
Powder River	48,000	1.3	64,000	11,000	2.4	37,000	1.0
Prairie	18,000	1.4	26,000	5,000	2.8	13,000	0.9
Rosebud	47,000	1.7	81,500	19,000	2.8	28,000	1.0
Wibaux	22,000	1.0	22,000	1,500	2.3	20,500	0.9
SOUTHEAST	**275,000**	**1.3**	**352,000**	**52,000**	**2.7**	**223,000**	**0.9**
MONTANA	**2,350,000**	**1.9**	**4,470,000**	**1,175,000**	**2.6**	**1,175,000**	**1.2**

ALL HAY: Acreage, Yield, and Production by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
		-----Tons-----			-Tons-		-Tons-
Deerlodge	11,500	2.2	25,500	11,000	2.3	500	1.0
Flathead	35,000	2.6	90,500	19,500	3.2	15,500	1.9
Granite	29,000	2.4	68,500	28,500	2.4	500	1.0
Lake	74,000	2.7	202,000	57,000	3.0	17,000	1.9
Lincoln	12,000	2.2	26,500	7,500	2.6	4,500	1.6
Mineral	3,500	2.1	7,500	1,500	2.7	2,000	1.8
Missoula	27,000	2.3	61,000	21,000	2.5	6,000	1.3
Powell	48,000	2.2	104,500	43,000	2.3	5,000	1.5
Ravalli	47,000	2.9	136,500	45,000	3.0	2,000	1.8
Sanders	38,000	2.0	76,500	19,500	2.8	18,500	1.2
NORTHWEST	**325,000**	**2.5**	**799,000**	**253,500**	**2.7**	**71,500**	**1.6**
Blaine	40000	2.2	89,000	22,000	3.1	18,000	1.2
Chouteau	29,500	1.7	49,500	8,000	2.7	21,500	1.3
Glacier	30,500	1.8	54,000	11,000	2.9	19,500	1.1
Hill	18,500	1.2	22,500	2,000	3.0	16,500	1.0
Liberty	6,500	1.5	10,000	1,500	2.7	5,000	1.2
Phillips	55,000	1.7	94,000	25,000	2.5	3,000	1.1
Pondera	24,000	2.3	55,500	13,000	3.2	11,000	1.2
Teton	50,000	2.5	127,000	28,000	3.5	22,000	1.4
Toole	13,000	1.7	21,500	2,500	2.8	10,500	1.4
NORTH CENTRAL	**267,000**	**2.0**	**523,000**	**113,000**	**3.0**	**154,000**	**1.2**
Daniels	14,000	1.0	14,000	1,500	3.3	12,500	0.7
Dawson	28,000	1.2	33,000	6,500	3.2	21,500	0.6
Garfield	17,500	1.1	20,000	3,000	2.8	14,500	0.8
McCone	23,500	1.1	25,500	5,000	2.9	18,500	0.6
Richland	33,000	1.6	51,000	8,000	3.7	25,000	0.9
Roosevelt	25,000	1.5	37,500	8,500	3.0	1,650	0.7
Sheridan	21,000	1.1	22,000	3,500	3.6	17,500	0.5
Valley	49,000	2.1	104,000	29,500	3.1	19,500	0.6
NORTHEAST	**211,000**	**1.5**	**307,000**	**65,500**	**3.2**	**145,500**	**0.7**
Broadwater	29,000	3.1	91,000	24,500	3.5	4,500	1.3
Cascade	70,000	1.9	132,500	19,000	3.2	51,000	1.4
Fergus	120,000	1.7	202,500	15,000	2.7	105,000	1.5
Golden Valley	17,000	1.7	28,000	5,000	2.8	12,000	1.2
Judith Basin	54,000	1.7	92,500	7,500	2.9	46,500	1.5
Lewis & Clark	45,000	2.5	110,500	31,500	3.0	13,500	1.2
Meagher	46,000	2.0	92,000	37,000	2.2	9,000	1.1
Musselshell	28,000	1.8	49,500	9,000	3.1	19,000	1.1
Petroleum	18,000	1.7	30,500	7,500	2.5	10,500	1.1
Wheatland	20,000	2.3	45,000	11,000	2.8	9,000	1.6
CENTRAL	**447,000**	**2.0**	**874,000**	**167,000**	**2.9**	**280,000**	**1.4**
Beaverhead	121,000	2.2	266,500	115,000	2.3	6,000	1.1
Gallatin	78,000	3.0	235,500	58,000	3.4	20,000	1.8
Jefferson	35,000	2.6	92,500	33,000	2.7	2,000	1.3
Madison	90,000	2.8	255,500	88,000	2.9	2,000	1.8
Silver Bow	9,000	2.9	26,000	9,000	2.9	0	0.0
SOUTHWEST	**333,000**	**2.6**	**876,000**	**303,000**	**2.7**	**30,000**	**1.6**
Big Horn	60,000	2.2	133,500	24,000	3.4	36,000	1.4
Carbon	54,000	2.6	137,500	37,000	3.1	17,000	1.3
Park	52,000	2.5	131,500	47,500	2.7	4,500	1.2
Stillwater	50,000	1.7	85,000	17,000	2.6	33,000	1.2
Sweetgrass	46,000	2.2	101,000	31,000	2.7	15,000	1.1
Treasure	10,000	2.6	25,500	5,000	3.7	5,000	1.4
Yellowstone	49,000	2.9	142,000	33,000	3.7	16,000	1.3
SOUTH CENTRAL	**321,000**	**2.4**	**756,000**	**194,500**	**3.0**	**126,500**	**1.3**
Carter	52,000	1.0	50,500	4,000	2.6	48,000	0.8
Custer	28,000	2.0	57,000	12,000	3.5	16,000	0.9
Fallon	37,000	0.8	30,500	2,000	3.0	35,000	0.7
Powder River	55,000	1.6	88,500	12,000	3.0	43,000	1.2
Prairie	16,500	1.6	26,500	4,500	4.0	12,000	0.7
Rosebud	38,500	2.4	91,500	18,000	3.9	20,500	1.0
Wibaux	19,000	0.8	15,500	1,000	3.0	18,000	0.7
SOUTHEAST	**246,000**	**1.5**	**360,000**	**53,500**	**3.5**	**192,500**	**0.9**
MONTANA	**2,150,000**	**2.1**	**4,495,000**	**1,150,000**	**2.9**	**1,000,000**	**1.2**

ALFALFA HAY: Acreage, Yield, and Production by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL Harvested Acres	TOTAL Yield Per Acre (-----Tons-----)	TOTAL Production	IRRIGATED Harvested Acres	IRRIGATED Yield Per Acre (-Tons-)	NON-IRRIGATED Harvested Acres	NON-IRRIGATED Yield Per Acre (-Tons-)
Deer Lodge	5,000	3.2	16,000	5,000	3.2	0	0.0
Flathead	23,000	2.6	60,000	13,500	3.3	9,500	1.6
Granite	12,000	2.3	28,000	11,000	2.5	1,000	1.0
Lake	52,000	2.6	136,000	37,000	3.2	15,000	1.1
Lincoln	8,000	2.7	21,500	6,500	2.9	1,500	1.7
Mineral	2,500	1.8	4,500	1,000	3.0	1,500	1.0
Missoula	18,000	2.4	44,000	15,000	2.7	3,000	1.3
Powell	22,000	2.7	58,500	18,500	3.0	3,500	1.0
Ravalli	27,500	3.5	96,500	26,000	3.7	1,500	1.0
Sanders	30,000	2.0	60,000	16,500	3.0	13,500	0.7
NORTHWEST	**200,000**	**2.6**	**525,000**	**150,000**	**3.1**	**50,000**	**1.1**
Blaine	28,000	2.3	65,000	17,000	3.0	11,000	1.3
Chouteau	16,000	2.1	34,000	6,500	3.1	9,500	1.5
Glacier	14,000	2.5	34,500	7,500	3.3	6,500	1.5
Hill	6,500	1.9	12,500	2,500	3.0	4,000	1.3
Liberty	2,500	1.6	4,000	500	3.0	2,000	1.3
Phillips	25,000	2.3	56,500	15,500	2.9	9,500	1.2
Pondera	17,000	2.4	40,000	10,500	3.0	6,500	1.2
Teton	34,000	2.6	89,000	22,500	3.3	11,500	1.2
Toole	7,000	2.1	14,500	2,500	3.2	4,500	1.4
NORTH CENTRAL	**150,000**	**2.3**	**350,000**	**85,000**	**3.1**	**65,000**	**1.3**
Daniels	5,500	1.3	7,000	1,500	2.7	4,000	0.8
Dawson	12,000	2.0	23,500	4,500	3.6	7,500	1.0
Garfield	7,000	1.9	13,500	2,000	3.3	5,000	1.4
McCone	7,000	2.0	14,000	3,000	3.0	4,000	1.3
Richland	20,500	2.0	40,000	6,500	3.5	14,000	1.2
Roosevelt	12,000	2.1	25,500	4,500	3.4	7,500	1.3
Sheridan	11,000	1.6	17,500	3,500	3.1	7,500	0.9
Valley	28,000	2.5	69,000	19,500	3.1	8,500	1.1
NORTHEAST	**103,000**	**2.0**	**210,000**	**45,000**	**3.2**	**58,000**	**1.1**
Broadwater	22,000	3.0	66,000	20,000	3.2	2,000	1.0
Cascade	55,000	1.7	91,000	11,000	2.9	44,000	1.3
Fergus	94,000	1.6	152,000	10,000	2.6	84,000	1.5
Golden Valley	11,000	2.1	23,000	5,000	3.2	6,000	1.2
Judith Basin	42,000	1.8	76,000	5,000	3.2	37,000	1.6
Lewis & Clark	27,000	2.7	74,000	21,000	3.1	6,000	1.5
Meagher	17,000	2.4	40,000	15,000	2.5	2,000	1.5
Musselshell	19,000	1.6	31,000	6,000	3.0	13,000	1.0
Petroleum	12,000	2.2	26,000	7,500	2.7	4,500	1.3
Wheatland	13,000	2.2	29,000	9,500	2.5	3,500	1.4
CENTRAL	**312,000**	**1.9**	**608,000**	**110,000**	**2.9**	**202,000**	**1.4**
Beaverhead	46,000	2.9	132,000	44,000	3.0	2,000	1.0
Gallatin	52,000	2.8	146,500	37,000	3.4	15,000	1.4
Jefferson	19,000	2.6	50,000	16,000	2.9	3,000	1.0
Madison	64,000	2.7	173,500	59,000	2.9	5,000	0.9
Silver Bow	4,000	3.3	13,000	4,000	3.3	0	0.0
SOUTHWEST	**185,000**	**2.8**	**515,000**	**160,000**	**3.0**	**25,000**	**1.2**
Big Horn	53,000	2.1	109,000	19,000	3.4	34,000	1.3
Carbon	38,000	2.3	87,000	24,000	2.9	14,000	1.2
Park	39,000	2.5	99,000	34,000	2.7	5,000	1.4
Stillwater	41,000	1.6	64,500	11,000	3.0	30,000	1.1
Sweet Grass	38,000	2.0	75,000	22,000	2.5	16,000	1.2
Treasure	10,000	2.5	24,500	5,000	3.4	5,000	1.5
Yellowstone	31,000	2.6	81,000	18,000	3.4	13,000	1.5
SOUTH CENTRAL	**250,000**	**2.2**	**540,000**	**133,000**	**3.0**	**117,000**	**1.2**
Carter	30,000	0.9	27,500	2,000	3.0	28,000	0.8
Custer	20,000	2.2	43,000	9,000	3.3	11,000	1.2
Fallon	26,000	1.0	25,500	2,000	2.3	24,000	0.9
Powder River	34,000	1.4	47,000	9,000	2.4	25,000	1.0
Prairie	6,000	2.3	14,000	4,000	3.0	2,000	1.0
Rosebud	27,000	2.1	57,000	15,000	3.0	12,000	1.0
Wibaux	7,000	1.1	8,000	1,000	2.5	6,000	0.9
SOUTHEAST	**150,000**	**1.5**	**222,000**	**42,000**	**2.9**	**108,000**	**0.9**
MONTANA	**1,350,000**	**2.2**	**2,970,000**	**725,000**	**3.0**	**625,000**	**1.2**

ALFALFA HAY: Acreage, Yield, and Production by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
		-----Tons-----			-Tons-		-Tons-
Deerlodge	5,500	2.8	15,500	5,000	3.0	500	1.0
Flathead	21,000	3.1	65,000	13,500	3.6	7,500	2.1
Granite	11,000	3.0	32,500	10,500	3.0	500	1.0
Lake	56,000	3.0	169,000	42,000	3.4	14,000	2.0
Lincoln	7,000	2.7	19,000	5,500	2.9	1,500	2.0
Mineral	2,500	2.4	6,000	1,000	3.0	1,500	2.0
Missoula	19,000	2.5	48,000	14,000	2.9	5,000	1.4
Powell	20,000	2.8	56,000	17,000	3.0	3,000	1.7
Ravalli	28,000	3.5	98,500	26,000	3.7	2,000	1.8
Sanders	30,000	2.2	64,500	15,500	3.0	14,500	1.2
NORTHWEST	**200,000**	**2.9**	**574,000**	**150,000**	**3.3**	**50,000**	**1.7**
Blaine	29,000	2.6	74,000	18,000	3.3	11,000	1.4
Chouteau	16,500	2.1	34,500	5,000	3.2	11,500	1.6
Glacier	16,500	2.3	37,500	8,000	3.3	8,500	1.4
Hill	7,500	1.9	14,500	2,000	3.0	5,500	1.5
Liberty	2,500	2.0	5,000	1,000	3.0	1,500	1.3
Phillips	28,000	2.3	64,000	15,000	3.0	13,000	1.5
Pondera	18,000	2.8	49,500	12,000	3.4	6,000	1.4
Teton	34,000	3.0	102,000	22,000	3.8	12,000	1.6
Toole	8,000	1.9	15,000	2,000	3.0	6,000	1.5
NORTH CENTRAL	**160,000**	**2.5**	**396,000**	**85,000**	**3.4**	**75,000**	**1.5**
Daniels	4,000	1.8	7,000	1,500	3.3	2,500	0.8
Dawson	9,000	2.4	22,000	5,000	3.8	4,000	0.8
Garfield	7,500	1.7	13,000	2,000	3.5	5,500	1.1
McCone	7,500	2.2	16,500	4,000	3.3	3,500	1.0
Richland	20,000	2.2	44,000	7,000	4.0	13,000	1.2
Roosevelt	12,000	2.2	26,500	5,000	4.0	7,000	0.9
Sheridan	8,000	1.8	14,500	3,000	4.0	5,000	0.5
Valley	27,000	3.2	86,500	22,500	3.6	4,500	1.2
NORTHEAST	**95,000**	**2.4**	**230,000**	**50,000**	**3.7**	**45,000**	**1.0**
Broadwater	23,000	3.5	80,500	21,000	3.7	2,000	1.3
Cascade	57,000	2.0	113,000	15,000	3.4	42,000	1.5
Fergus	96,000	1.7	163,000	11,000	3.0	85,000	1.5
Golden Valley	12,000	1.7	20,500	4,000	3.0	8,000	1.1
Judith Basin	44,000	1.8	80,000	5,500	3.3	38,500	1.6
Lewis & Clark	29,000	3.0	88,000	22,000	3.6	7,000	1.3
Meagher	19,000	2.6	48,500	17,000	2.7	2,000	1.3
Musselshell	18,000	2.0	36,500	6,500	3.5	11,500	1.2
Petroleum	13,000	1.8	23,500	6,000	2.7	7,000	1.1
Wheatland	14,000	2.5	35,500	7,000	3.4	7,000	1.6
CENTRAL	**325,000**	**2.1**	**689,000**	**115,000**	**3.3**	**210,000**	**1.5**
Beaverhead	44,000	3.3	146,500	43,000	3.4	1,000	1.5
Gallatin	59,000	3.3	194,500	43,000	3.8	16,000	2.0
Jefferson	20,000	3.2	63,500	19,000	3.3	1,000	1.5
Madison	62,000	3.2	200,500	60,000	3.3	2,000	1.8
Silver Bow	5,000	3.6	18,000	5,000	3.6	0	0.0
SOUTHWEST	**190,000**	**3.3**	**623,000**	**170,000**	**3.4**	**20,000**	**1.9**
Big Horn	51,000	2.4	121,000	22,000	3.5	29,000	1.5
Carbon	36,000	2.7	98,000	24,000	3.4	12,000	1.3
Park	35,000	2.9	100,000	32,000	3.0	3,000	1.3
Stillwater	37,000	1.7	64,500	11,000	2.9	26,000	1.3
Sweetgrass	34,000	2.4	82,000	23,000	3.0	11,000	1.2
Treasure	8,000	2.8	22,000	4,000	4.0	4,000	1.5
Yellowstone	29,000	3.4	97,500	19,000	4.3	10,000	1.6
SOUTH CENTRAL	**230,000**	**2.5**	**585,000**	**135,000**	**3.4**	**95,000**	**1.4**
Carter	34,000	1.1	37,000	3,000	3.0	31,000	0.9
Custer	17,000	2.8	47,000	11,000	3.6	6,000	1.2
Fallon	22,000	1.0	21,500	2,000	3.0	20,000	0.8
Powder River	43,000	1.7	75,000	10,000	3.1	33,000	1.3
Prairie	7,500	2.5	19,000	4,000	4.3	3,500	0.6
Rosebud	20,500	3.5	71,500	14,000	4.6	6,500	1.2
Wibaux	6,000	1.2	7,000	1,000	3.0	5,000	0.8
SOUTHEAST	**150,000**	**1.9**	**278,000**	**45,000**	**3.8**	**105,000**	**1.0**
MONTANA	**1,350,000**	**2.5**	**3,375,000**	**750,000**	**3.4**	**600,000**	**1.4**

ALL OTHER HAY: Acreage, Yield, and Production by Counties and Districts, 1989

COUNTY & DISTRICT	TOTAL Harvested Acres	TOTAL Yield Per Acre	TOTAL Production	IRRIGATED Harvested Acres	IRRIGATED Yield Per Acre	NON-IRRIGATED Harvested Acres	NON-IRRIGATED Yield Per Acre
		-----Tons-----			-Tons-		-Tons-
Deer Lodge	6,000	2.0	12,000	6,000	2.0	0	0.0
Flathead	12,000	1.8	21,500	6,000	2.0	6,000	1.6
Granite	20,000	2.2	43,000	20,000	2.2	0	0.0
Lake	15,000	1.9	29,000	12,000	2.2	3,000	1.0
Lincoln	5,000	1.4	7,000	2,000	2.0	3,000	1.0
Mineral	1,000	1.5	1,500	500	2.0	500	1.0
Missoula	10,000	1.9	18,500	7,500	2.0	2,500	1.4
Powell	37,000	1.9	71,500	35,000	2.0	2,000	1.3
Ravalli	17,000	2.4	40,000	17,000	2.4	0	0.0
Sanders	7,000	1.6	11,000	4,000	2.0	3,000	1.0
NORTHWEST	130,000	2.0	255,000	110,000	2.1	20,000	1.3
Blaine	13,000	1.6	21,000	6,000	2.0	7,000	1.3
Chouteau	15,000	1.8	27,000	5,000	2.2	10,000	1.6
Glacier	15,000	1.5	22,000	5,000	2.0	10,000	1.2
Hill	10,000	1.4	14,000	500	2.0	9,500	1.4
Liberty	4,000	1.6	6,500	500	2.0	3,500	1.6
Phillips	40,000	1.5	60,000	16,000	2.1	24,000	1.1
Pondera	7,000	1.8	12,500	1,500	2.7	5,500	1.5
Teton	14,000	2.0	28,000	9,000	2.3	5,000	1.4
Toole	7,000	1.3	9,000	500	2.0	6,500	1.2
NORTH CENTRAL	125,000	1.6	200,000	44,000	2.2	81,000	1.3
Daniels	19,000	0.8	16,000	0	0.0	19,000	0.8
Dawson	30,000	1.1	32,500	2,500	1.8	27,500	1.0
Garfield	20,000	1.1	21,500	1,500	1.7	18,500	1.0
McCone	40,000	1.2	48,500	2,000	1.8	38,000	1.2
Richland	24,000	1.0	24,500	1,500	1.7	22,500	1.0
Roosevelt	28,000	1.0	27,000	3,500	1.7	24,500	0.9
Sheridan	24,000	0.9	22,500	1,500	2.0	22,500	0.9
Valley	30,000	1.1	32,500	7,500	1.7	22,500	0.9
NORTHEAST	215,000	1.0	225,000	20,000	1.8	195,000	1.0
Broadwater	5,500	2.2	12,000	5,500	2.2	0	0.0
Cascade	13,000	1.7	22,000	3,000	2.0	10,000	1.6
Fergus	27,000	1.9	51,000	6,000	2.2	21,000	1.8
Golden Valley	6,500	1.5	9,500	2,000	2.0	4,500	1.2
Judith Basin	12,000	1.5	18,000	3,000	1.7	9,000	1.4
Lewis & Clark	15,000	1.8	27,000	8,000	2.1	7,000	1.4
Meagher	27,000	1.7	45,500	20,000	1.9	7,000	1.1
Musselshell	12,000	1.3	15,500	1,500	2.0	10,500	1.2
Petroleum	5,000	1.5	7,500	2,000	2.0	3,000	1.2
Wheatland	7,000	1.7	12,000	4,000	2.0	3,000	1.3
CENTRAL	130,000	1.7	220,000	55,000	2.0	75,000	1.5
Beaverhead	100,000	1.7	171,000	96,000	1.7	4,000	1.0
Gallatin	25,000	1.8	45,000	16,000	2.0	9,000	1.4
Jefferson	15,000	1.8	27,000	12,000	1.9	3,000	1.3
Madison	31,000	1.9	58,000	29,000	1.9	2,000	1.5
Silver Bow	4,000	1.5	6,000	3,000	1.7	1,000	1.0
SOUTHWEST	175,000	1.8	307,000	156,000	1.8	19,000	1.3
Big Horn	11,000	1.5	16,500	2,000	2.3	9,000	1.3
Carbon	14,000	2.0	27,500	12,000	2.1	2,000	1.3
Park	20,000	1.9	38,000	18,000	2.0	2,000	1.3
Stillwater	15,000	1.5	22,000	6,500	2.0	8,500	1.1
Sweet Grass	14,000	1.6	22,000	7,000	2.0	7,000	1.1
Treasure	2,000	1.8	3,500	1,500	2.0	500	1.0
Yellowstone	24,000	1.4	33,500	8,000	2.3	16,000	1.0
SOUTH CENTRAL	100,000	1.6	163,000	55,000	2.1	45,000	1.1
Carter	28,000	1.0	27,000	500	2.0	27,500	0.9
Custer	16,000	1.2	18,500	1,500	2.3	14,500	1.0
Fallon	20,000	0.9	17,000	500	2.0	19,500	0.8
Powder River	14,000	1.2	17,000	2,000	2.0	12,000	1.1
Prairie	12,000	1.0	12,000	1,000	2.0	11,000	0.9
Rosebud	20,000	1.2	24,500	4,000	1.9	16,000	1.1
Wibaux	15,000	0.9	14,000	500	2.0	14,500	0.9
SOUTHEAST	125,000	1.0	130,000	10,000	2.0	115,000	1.0
MONTANA	1,000,000	1.5	1,500,000	450,000	2.0	550,000	1.1

ALL OTHER HAY: Acreage, Yield, and Production by Counties and Districts, 1990

COUNTY & DISTRICT	TOTAL			IRRIGATED		NON-IRRIGATED	
	Harvested Acres	Yield Per Acre	Production	Harvested Acres	Yield Per Acre	Harvested Acres	Yield Per Acre
		-----Tons-----			-Tons-		-Tons-
Deerlodge	6,000	1.7	10,000	6,000	1.7	0	0.0
Flathead	14,000	1.8	25,500	6,000	2.1	8,000	1.6
Granite	18,000	2.0	36,000	18,000	2.0	0	0.0
Lake	18,000	1.8	33,000	15,000	1.9	3,000	1.3
Lincoln	5,000	1.5	7,500	2,000	1.8	3,000	1.3
Mineral	1,000	1.5	1,500	500	2.0	500	1.0
Missoula	8,000	1.6	13,000	7,000	1.7	1,000	1.0
Powell	28,000	1.7	48,500	26,000	1.8	2,000	1.3
Ravalli	19,000	2.0	38,000	19000	2.0	0	0.0
Sanders	8,000	1.5	12,000	4,000	1.8	4,000	1.3
NORTHWEST	**125,000**	**1.8**	**225,000**	**103,500**	**1.9**	**21,500**	**1.4**
Blaine	11,000	1.4	15,000	4,000	2.0	7,000	1.0
Chouteau	13,000	1.2	15,000	3,000	1.8	10,000	1.0
Glacier	14,000	1.2	16,500	3,000	2.0	11,000	1.0
Hill	11,000	0.7	8,000	0	0.0	11,000	0.7
Liberty	4,000	1.3	5,000	500	2.0	3,500	1.1
Phillips	27,000	1.1	30,000	10,000	1.7	17,000	0.8
Pondera	6,000	1.0	6,000	1,000	1.0	5,000	1.0
Teton	16,000	1.6	25,000	6,000	2.3	10,000	1.2
Toole	5,000	1.3	6,500	500	2.0	4,500	1.2
NORTH CENTRAL	**107,000**	**1.2**	**127,000**	**28,000**	**1.9**	**79,000**	**0.9**
Daniels	10,000	0.7	7,000	0	0.0	10,000	0.7
Dawson	19,000	0.6	11,000	1,500	1.3	17,500	0.5
Garfield	10,000	0.7	7,000	1,000	1.5	9,000	0.6
McCone	16,000	0.6	9,000	1,000	1.5	15,000	0.5
Richland	13,000	0.5	7,000	1,000	1.5	12,000	0.5
Roosevelt	13,000	0.8	11,000	3,500	1.6	9,500	0.6
Sheridan	13,000	0.6	7,500	500	1.0	12,500	0.6
Valley	22,000	0.8	17,500	7,000	1.5	15,000	0.5
NORTHEAST	**116,000**	**0.7**	**77,000**	**15,500**	**1.5**	**100,500**	**0.5**
Broadwater	6,000	1.8	10,500	3,500	2.0	2,500	1.4
Cascade	13,000	1.5	19,500	4,000	2.3	9,000	1.2
Fergus	24,000	1.6	39,500	4,000	2.0	20,000	1.6
Golden Valley	5,000	1.5	7,500	1,000	2.0	4,000	1.4
Judith Basin	10,000	1.3	12,500	2,000	1.8	8,000	1.1
Lewis & Clark	16,000	1.4	22,500	9,500	1.6	6,500	1.1
Meagher	27,000	1.6	43,500	20,000	1.8	7,000	1.1
Musselshell	10,000	1.3	13,000	2,500	2.0	7,500	1.1
Petroleum	5,000	1.4	7,000	1,500	2.0	3,500	1.1
Wheatland	6,000	1.6	9,500	4,000	1.8	2,000	1.3
CENTRAL	**122,000**	**1.5**	**185,000**	**52,000**	**1.8**	**70,000**	**1.3**
Beaverhead	77,000	1.6	120,000	72,000	1.6	5,000	1.0
Gallatin	19,000	2.2	41,000	15,000	2.4	4,000	1.3
Jefferson	15,000	1.9	29,000	14,000	2.0	1,000	1.0
Madison	28,000	2.0	55,000	28,000	2.0	0	0.0
Silver Bow	4,000	2.0	8,000	4,000	2.0	0	0.0
SOUTHWEST	**143,000**	**1.8**	**253,000**	**133,000**	**1.8**	**10,000**	**1.1**
Big Horn	9,000	1.4	12,500	2,000	1.8	7,000	1.3
Carbon	18,000	2.2	39,500	13,000	2.5	5,000	1.3
Park	17,000	1.9	31,500	15,500	1.9	1,500	1.0
Stillwater	13,000	1.6	20,500	6,000	2.0	7,000	1.2
Sweetgrass	12,000	1.6	19,000	8,000	1.9	4,000	1.0
Treasure	2,000	1.8	3,500	1,000	2.5	1,000	1.0
Yellowstone	20,000	2.2	44,500	14,000	2.8	6,000	0.9
SOUTH CENTRAL	**91,000**	**1.9**	**171,000**	**59,500**	**2.3**	**31,500**	**1.1**
Carter	18,000	0.8	13,500	1,000	1.5	17,000	0.7
Custer	11,000	0.9	10,000	1,000	2.0	10,000	0.8
Fallon	15,000	0.6	9,000	0	0.0	15,000	0.6
Powder River	12,000	1.1	13,500	2,000	2.3	10,000	0.9
Prairie	9,000	0.8	7,500	500	2.0	8,500	0.8
Rosebud	18,000	1.1	20,000	4,000	1.8	14,000	0.9
Wibaux	13,000	0.7	8,500	0	0.0	13,000	0.7
SOUTHEAST	**96,000**	**0.9**	**82,000**	**8,500**	**1.9**	**87,500**	**0.8**
MONTANA	**800,000**	**1.4**	**1,120,000**	**400,000**	**1.9**	**400,000**	**0.9**

CATTLE and CALVES: January 1, 1982-1991

NUMBER, VALUE PER HEAD, AND TOTAL VALUE, JANUARY 1

Year	ALL CATTLE		
		Farm Value	
	Number	Per Head	Total
	(000) Hd.	Dols.	(000) Dols.
1982	2,900	395	1,145,500
1983	2,990	375	1,121,250
1984	3,150	395	1,244,250
1985	2,960	380	1,124,800
1986	2,450	375	918,750
1987	2,540	400	1,016,000
1988	2,450	595	1,457,750
1989	2,450	645	1,580,250
1990	2,300	675	1,552,500
1991	2,400	755	1,812,000

NUMBER BY CLASSES, JANUARY 1

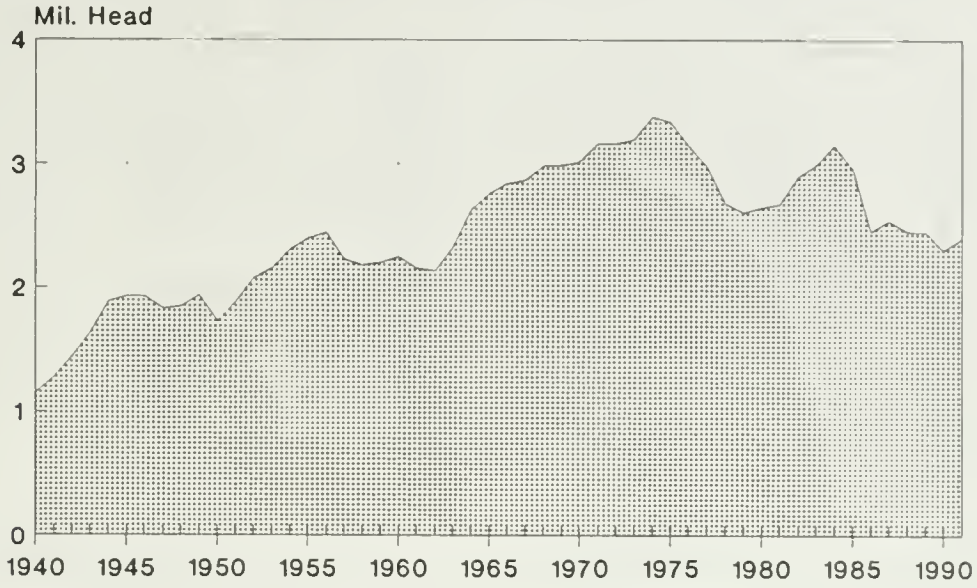
Year	COWS & HEIFERS THAT HAVE CALVED		HEIFERS 500 LBS. & OVER			OTHER			TOTAL ALL CATTLE & CALVES
	Beef Cows	Milk Cows	Beef Cow Replace-ments	Milk Cow Replace-ments	Other	Steers 500 lb. & Over	Bulls 500 lb. & Over	Calves under 500 lb.	
	--- Thousand Head ---								
1982	1,604	29	302	12	107	183	90	573	2,900
1983	1,520	29	260	9	149	218	87	718	2,990
1984	1,637	29	328	9	189	284	98	576	3,150
1985	1,513	27	255	9	183	322	89	562	2,960
1986	1,373	27	230	10	170	245	80	315	2,450
1987	1,382	24	249	7	150	241	81	406	2,540
1988	1,330	25	267	7	162	265	76	318	2,450
1989	1,380	25	293	7	150	248	77	270	2,450
1990	1,328	24	325	7	167	181	75	193	2,300
1991	1,428	24	323	8	168	190	79	180	2,400

CALF CROPS AND DISPOSITION

Year	CALVES BORN	INSHIPMENTS	MARKETINGS [1]		FARM SLAUGHTER [2]		DEATHS
			Cattle	Calves	Cattle & Calves	Cattle	Calves
			---Thousand Head---				
1981	1,580	109	779	575	10	30	70
1982	1,570	125	999	475	11	34	86
1983	1,640	125	991	501	10	33	70
1984	1,610	85	1,198	560	13	39	75
1985	1,470	95	1,347	605	8	35	80
1986	1,375	120	984	310	8	33	70
1987	1,280	132	1,132	270	6	29	65
1988	1,350	123	1,094	280	6	32	61
1989	1,350	137	1,233	298	6	25	75
1990	1,400	142	1,047	310	5	25	55

[1] Excludes interfarm sales.
[2] Excludes animals custom slaughtered in commercial establishments for farmers.

CATTLE and CALVES
Inventory: January 1, 1940-1991



CATTLE and CALVES: Production and Income, 1981-1990

	Production [1]	Marketing [2]	PRICE PER 100 LBS. Cattle	Calves	Cash Receipts [3]	Value of Home Consumption	Gross Income
	--(000) Lbs.--		--Dollars--			--(000) Dollars--	
1981	1,098,045	933,300	51.90	62.70	506,118	8,806	514,924
1982	1,024,395	1,081,170	48.20	60.30	540,617	9,640	550,257
1983	1,200,700	1,081,670	48.00	62.40	543,673	10,003	553,676
1984	1,139,490	1,293,790	47.20	60.90	636,699	11,886	648,585
1985	978,465	1,370,480	47.60	62.20	689,331	11,218	700,549
1986	921,155	946,960	49.30	62.60	484,121	8,720	492,841
1987	884,450	1,012,980	61.10	80.70	641,623	8,856	650,479
1988	922,600	1,009,810	65.70	90.60	693,345	8,858	702,203
1989	954,890	1,131,530	68.20	88.40	797,523	9,159	806,682
1990	999,280	982,140	70.60	95.30	725,476	7,985	733,461

[1] Adjustments made for inshipments and changes in inventory.
[2] Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced.
[3] Receipts from marketings and sale of farm slaughter.

MILK COWS: Milk Cows on Farms, Production Per Cow, Milkfat, and Total Production, 1981-1990

	Milk Cows on Farms [1]	PRODUCTION PER COW Milk	Milkfat	Milkfat	TOTAL PRODUCTION [2] Milk	Milkfat
	(000) Head	--Pounds--		Percent	--Mil. Lbs.--	
1981	29	11,414	403	3.53	331	11.7
1982	29	11,759	420	3.57	341	12.2
1983	29	12,241	438	3.58	355	12.7
1984	28	12,179	434	3.56	341	12.1
1985	28	12,464	442	3.55	349	12.4
1986	26	13,000	459	3.53	338	11.9
1987	25	13,560	477	3.52	339	11.9
1988	25	14,080	493	3.50	352	12.3
1989	24	13,625	484	3.55	327	11.6
1990	24	14,083	494	3.51	338	11.9

[1] Average number during year, excluding heifers not yet fresh.
[2] Excludes milk sucked by calves.

MILK AND CREAM MARKETED: Quantity, Price, and Cash Receipts, 1981-1990

Year	MILK SOLD TO PLANTS AND DEALERS			MILK SOLD DIRECTLY TO CONSUMERS		
	Quantity	Price Per 100 Lbs.	Cash Receipts	Quantity	Price Per Quart	Cash Receipts
	Mil. Lbs.	Dols.	000 Dols.	000 Qts.	Cents	000 Dols.
1981	311	13.40	41,674	1,395	50.0	698
1982	319	13.20	42,108	1,395	52.0	726
1983	333	13.30	44,289	1,395	52.0	726
1984	316	13.80	43,608	1,395	55.0	767
1985	329	13.10	43,099	1,395	54.0	753
1986	320	12.70	40,640	1,395	50.0	698
1987	322	12.50	40,250	1,395	45.0	628
1988	333	12.20	40,626	1,395	45.0	628
1989	311	13.50	41,985	1,395	55.0	767
1990	325	13.70	44,525	[1]	[1]	[1]

[1] Discontinued.

DAIRY PRODUCTS MARKETED: Income and Value, 1981-1990

Year	Combined Marketing of Milk and Cream				Used for Milk, Cream and Butter on Farms Where Produced		Gross Farm Income from Dairy Products [3]	Farm Value of Milk Produced [2,4]
	Milk Utilized	Average Returns [1] Per 100 Pounds Milk	Per Pound Milkfat	Cash Receipts from Marketings	Milk Utilized	Value [2]		
	Mil. Lbs.	--Dollars--		000 Dols.	Mil. Lbs.	000 Dols.	--000 Dols.--	
1981	314	13.49	3.82	42,372	9	1,214	43,586	44,666
1982	322	13.30	3.73	42,834	7	931	43,765	45,361
1983	336	13.40	3.74	45,015	9	1,206	46,220	47,560
1984	319	13.91	3.91	44,375	10	1,391	45,767	47,436
1985	332	13.21	3.72	43,852	7	925	44,777	46,098
1986	323	12.80	3.63	41,338	6	768	42,106	43,257
1987	325	12.58	3.57	40,878	6	755	41,633	42,639
1988	336	12.28	3.51	41,254	8	982	42,236	43,218
1989	314	13.62	3.84	42,752	7	953	43,705	44,522
1990	325	13.70	3.90	45,292	6	822	46,114	47,073

[1] Cash receipts divided by milk or milkfat represented in combined marketings.
[2] Valued at average returns per 100 pounds of milk in combined marketings of milk and cream.
[3] Cash receipts from marketings of milk and cream plus value of milk used for home consumption and farm-churned butter.
[4] Includes value of milk fed to calves.

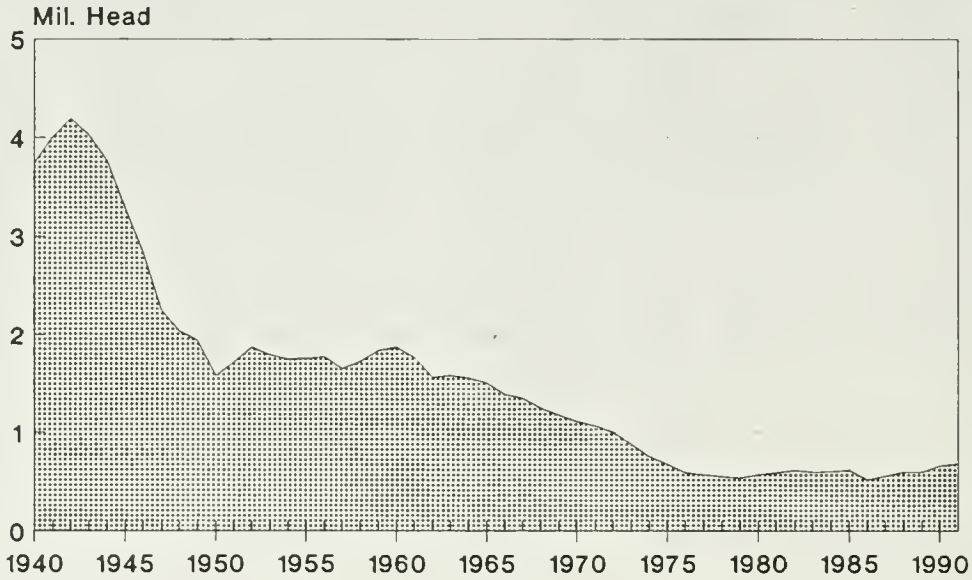
DAIRY PRODUCTS MANUFACTURED, 1981-1990

Year	Creamery Butter	Cheese Cottage Cheese Creamed	Ice Cream	Ice Milk [1]	Sherbet
	--(000) Pounds--		--(000) Gallons--		
1981	2,082	5,635	1,908	963	71
1982	2,191	5,578	1,833	1,057	82
1983	1,907	6,155	1,931	1,070	91
1984	1,768	6,511	1,984	1,017	88
1985	1,794	4,287	1,895	1,368	102
1986	1,843	3,858	1,882	1,301	86
1987	1,533	3,646	1,511	1,094	[2]
1988	1,350	3,281	[2]	1,087	2
1989	1,193	4,090	2	871	2
1990	1,017	4,195	2	926	2

[1] Includes low fat ice cream. [2] Not published to avoid disclosing individual plant operations.

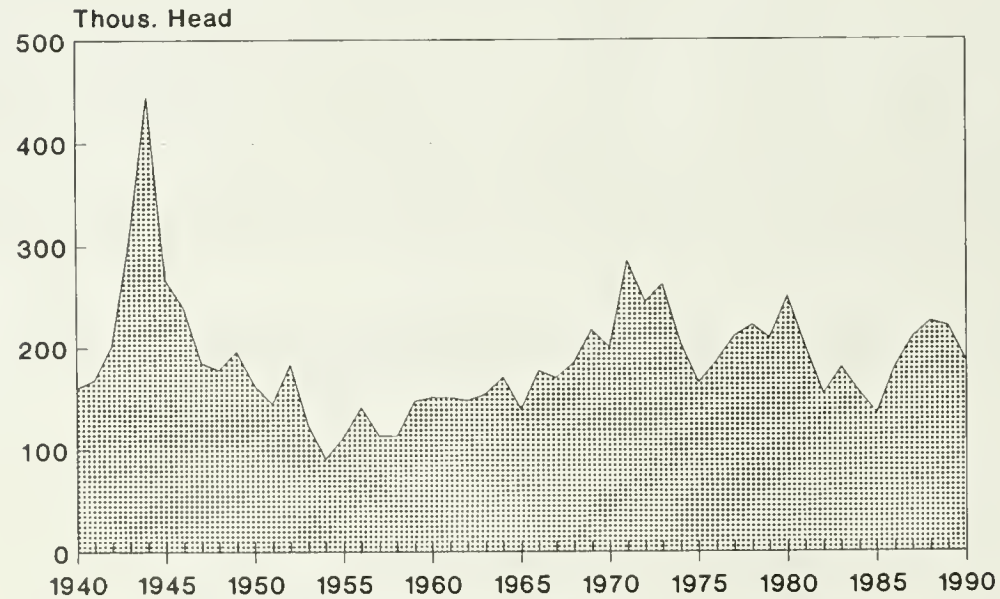
SHEEP and LAMBS

Inventory: January 1, 1940-1991



HOGS and PIGS

Inventory: January 1, 1940-1967, December 1, 1968-1991



SHEEP, LAMBS & WOOL

Number, Value Per Head and Classes, January 1, 1982-1991

Year	ALL SHEEP & LAMBS					STOCK SHEEP ONE YEAR & OVER		LAMBS	
		Farm Value		Sheep on	Stock		Wethers		Wethers
	Number	Per Head	Total	Feed	Sheep	Ewes	& Rams	Ewes	& Rams
	(000)	Dols.	(000)	---(000) Head---			--(000) Head--		
1982	616	55.00	33,880	16	600	455	15	117	13
1983	600	50.50	30,300	20	580	459	16	90	15
1984	604	51.00	30,804	34	570	465	16	77	12
1985	615	57.50	35,363	45	570	472	15	73	10
1986	523	61.50	32,165	23	500	410	12	67	10
1987	563	82.00	46,166	23	540	400	14	114	12
1988	597	99.00	59,103	27	570	430	14	120	6
1989	600	89.00	53,400	30	570	434	15	111	10
1990	663	85.00	56,355	23	640	490	17	124	9
1991	683	64.00	43,712	33	650	504	17	117	12

Wool Production and Value, 1981-1990

Year	Sheep Shorn	Per Fleece	Total	Price Per Lb.	Value
	(000) Hd.	-Lbs.-	(000) Lbs	-Cents-	(000) Dols.
1981	565	10.0	5,670	102	5,783
1982	575	10.3	5,903	79	4,663
1983	574	10.0	5,745	67	3,849
1984	585	9.8	5,709	91	5,195
1985	577	9.7	5,605	67	3,755
1986	490	10.2	4,988	74	3,691
1987	511	10.1	5,153	102	5,256
1988	567	10.0	5,666	148	8,386
1989	577	10.0	5,762	136	7,836
1990	630	9.9	6,226	91	5,666

Lamb Crop and Disposition, 1981-1990

Year	Lambs Saved	INSHIPMENTS Sheep & Lambs	MARKETINGS [1]		FARM SLAUGHTER [2]	DEATHS	
			Sheep	Lambs	Sheep & Lambs	Sheep	Lambs
		---(000) Head---					
1981	420	25	73	233	3	60	55
1982	470	21	94	309	2	50	52
1983	475	22	107	308	3	30	45
1984	470	25	77	289	3	60	55
1985	470	33	86	420	2	42	45
1986	450	39	62	297	3	45	42
1987	440	27	82	260	1	45	45
1988	460	26	49	335	2	50	47
1989	500	35	60	325	1	43	43
1990	535	40	118	356	1	40	40

[1] Excludes interfarm sales. Includes animals custom slaughtered in commercial establishments for use on farms where produced.
[2] Excludes animals custom slaughtered in commercial establishments for farmers.

Production and Income from Sheep and Lambs, 1981-1990

Year	Production [1]	Marketings [2]	Price Per 100 Lbs.		Cash Receipts [3]	Value of Home Consumption	Gross Income
			Sheep	Lambs			
	--(000) Pounds--		--Dollars--			--(000) Dollars--	
1981	36,494	35,311	17.40	47.20	13,469	185	13,654
1982	43,293	46,576	15.00	48.10	17,815	94	17,909
1983	43,946	39,210	11.40	47.80	15,637	175	15,812
1984	34,431	29,422	14.30	60.30	15,723	227	15,949
1985	34,373	49,811	17.60	66.80	27,350	176	27,526
1986	35,386	36,181	22.70	67.20	20,451	310	20,761
1987	36,102	34,491	27.40	80.50	21,582	124	21,706
1988	34,998	36,768	22.20	66.30	21,286	197	21,483
1989	41,892	37,416	20.80	65.80	20,758	145	20,903
1990	48,007	49,651	17.60	48.30	18,655	116	18,771

[1] Adjustments made for inshipments and changes in inventory.
[2] Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced.
[3] Includes receipts from marketings and from sales of farm slaughtered meat.

HOGS & PIGS

Number, Value Per Head and Total Value, December 1, 1981-1990

Year	Number, Value Per Head and Total Value			Number By Classes	
		Farm Value			
	Number	Per Head	Total	Breeding	Marketing
	(000) Hd.	-Dols.-	(000) Dols.	--(000) Head--	
1981	200	60.50	12,100	24	176
1982	154	77.50	11,935	20	134
1983	180	60.00	10,800	21	159
1984	155	67.00	10,385	16	139
1985	135	69.50	9,383	16	119
1986	180	82.00	14,760	19	161
1987	210	70.50	14,805	24	186
1988	225	72.00	16,200	29	196
1989	220	80.00	17,600	30	190
1990	185	89.00	16,465	24	161

Pig Crops and Disposition, 1981-1990

Year	Pig Crops		In Shipments	Marketings [1]	Farm Slaughter [2]	Deaths
	Spring	Fall		--(000) Head--		
1981	180	154	6	362	8	20
1982	152	104	6	295	3	10
1983	128	128	6	216	5	15
1984	117	131	6	257	5	17
1985	126	118	6	252	7	11
1986	140	160	7	243	3	16
1987	166	178	7	302	3	16
1988	184	189	7	345	4	16
1989	216	190	3	395	4	15
1990	194	163	4	376	3	17

[1] Includes animals custom slaughtered in commercial establishments for use on farms where produced.
[2] Excludes animals custom slaughtered in commercial establishments for farmers.

Production and Income from Hogs and Pigs, 1981-1990

Year	Production [1]	Marketings [2]	Price Per 100 Pounds	Cash Receipts [3]	Value of Home Consumption	Gross Income
	--(000) Lbs.--		-Dols.-	(000) Dols.	--(000) Dols.--	
1981	82,039	84,585	41.40	35,090	1,167	36,257
1982	64,016	69,429	46.80	32,614	526	33,140
1983	56,378	50,960	43.90	22,500	671	23,171
1984	58,419	60,882	43.90	26,855	671	27,526
1985	56,622	56,731	38.50	21,954	760	22,714
1986	60,381	54,806	42.10	23,147	534	23,681
1987	72,084	66,767	45.80	30,836	872	31,708
1988	80,000	77,570	36.60	28,613	516	29,129
1989	91,680	88,590	38.30	34,181	720	34,901
1990	80,911	84,000	50.00	42,150	1,125	43,275

[1] Adjustments made for inshipments and changes in inventory. [2] Excludes interfarm sales and custom slaughter in commercial establishments for use on farms where produced. [3] Includes receipts from marketings and from sales of farm slaughtered meat.

CHICKENS

Number, Value Per Bird and Total Value, December 1, 1981-1990

Year	Numbers (000)	Farm Value	
		Per Bird Dollars	Total 000 Dols.
1981	940	2.10	1,974
1982	970	2.25	2,183
1983	940	1.95	1,833
1984	1,025	2.00	2,050
1985	1,010	1.80	1,818
1986	1,010	2.00	2,020
1987	990	2.45	2,426
1988	910	2.30	2,093
1989	890	2.55	2,270
1990	760	2.30	1,748

Production & Income from Chickens, 1981-1990

Year	Produced	Sold	Price Per Pound	Cash Receipts	Gross Income
	--(000) Lbs.--		-Cents-	--(000) Dols.--	
1981	3,362	2,900	6.0	174	204
1982	3,474	3,000	6.0	180	206
1983	3,021	2,680	7.0	188	219
1984	3,008	2,320	8.0	186	220
1985	[3]	2,400	7.0	168	[3]
1986	[3]	2,360	8.0	189	[3]
1987	[3]	2,480	6.0	149	[3]
1988	[3]	2,896	6.0	174	[3]
1989	[3]	2,812	7.0	197	[3]
1990	[3]	2,580	4.5	116	[3]

Farm Production, Disposition and Income from Eggs, 1981-1990

Year [1]	Layers [2] -(000)-	Eggs Per Layer No.	Egg Production	Consumed in Household --Millions--	Sold	Price Per Dozen Cents	Cash Receipts --(000) Dols.--	Gross Income --(000) Dols.--
1981	778	224	174	3.0	171	62.0	8,835	8,990
1982	767	245	188	3.0	185	55.0	8,479	8,617
1983	772	250	193	5.0	188	55.5	8,695	8,926
1984	770	257	198	5.0	193	64.0	10,293	10,560
1985	807	250	202	[3]	[3]	51.0	8,585	[3]
1986	790	254	201	[3]	[3]	56.0	9,380	[3]
1987	789	260	205	[3]	[3]	50.0	8,542	[3]
1988	773	251	194	[3]	[3]	48.0	7,760	[3]
1989	703	256	180	[3]	[3]	75.0	11,250	[3]
1990	659	261	172	[3]	[3]	68.0	9,747	[3]

[1] Data related to the 12 month period beginning with December 1, of the previous year through November of the current year. [2] Average number of layers on hand during the year. [3] Discontinued.

HONEY AND BEESWAX: Production, Price, and Value, 1978-1990

Year	Colonies of Bees -Number-	Yield Per Per Colony -Lbs.-	Production		Price Per Pound		Value of Production	
			Honey	Beeswax	Honey	Beeswax	Honey	Beeswax
			-(000) Lbs.-		-Cents-		-(000) Dols.-	
1978	99,000	89	8,811	159	53.8	178.0	4,740	283
1979	103,000	128	13,184	224	57.7	164.0	7,607	367
1980	103,000	104	10,712	214	56.0	190.0	5,999	407
1981	108,000	100	10,800	184	57.0	198.0	6,156	364
1982-1985	Data Not Available							
1986	110,000	64	7,040	[1]	50.0	[1]	3,520	[1]
1987	95,000	102	9,690	[1]	44.0	[1]	4,264	[1]
1988	105,000	48	5,040	[1]	47.0	[1]	2,369	[1]
1989	100,000	63	6,300	[1]	47.0	[1]	2,961	[1]
1990	95,000	81	7,695	[1]	48.0	[1]	3,694	[1]

[1] Discontinued.

COMMERCIAL LIVESTOCK SLAUGHTER

TOTAL RED MEAT PRODUCTION BY MONTHS, 1982-1990 [1]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						--(000) Pounds--							
1982 [2]	--------39,366--------			--------23,649--------			--------25,460--------			--------37,848--------			126,324
1983	12,485	11,191	11,324	9,778	9,366	12,009	10,181	12,366	12,112	7,858	4,862	4,781	118,312
1984	4,633	3,432	2,240	3,027	4,015	3,986	4,395	5,639	6,075	8,112	10,203	6,856	62,613
1985	6,067	3,412	1,612	1,769	1,962	1,753	2,033	2,275	1,936	2,320	1,815	1,724	28,678
1986	1,783	1,302	1,434	1,579	1,721	1,579	1,843	1,965	2,235	2,018	1,542	1,698	20,697
1987	1,428	1,282	1,442	1,453	1,461	1,623	1,656	1,623	1,483	1,664	1,544	1,532	18,192
1988	1,294	1,147	1,362	1,319	1,306	1,441	1,237	1,689	1,406	1,441	1,347	1,219	16,206
1989	1,125	875	1,042	1,105	1,114	1,279	1,086	1,676	1,092	1,205	1,259	1,086	13,945
1990	1,342	1,050	1,210	1,079	1,327	1,210	1,311	1,736	1,226	3,169	3,859	2,083	20,602

NUMBER OF HEAD SLAUGHTERED BY MONTHS AND CLASSES, 1982-1990

Cattle & Calves

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						--(000) Head--							
1982 [2]	--------33.6--------			--------11.5--------			--------14.4--------			--------32.3--------			91.8
1983	10.1	8.9	7.0	4.3	6.5	8.9	7.3	9.4	10.2	9.3	8.7	8.5	99.1
1984	8.0	5.4	3.1	4.4	6.3	6.6	6.9	7.9	7.7	9.6	15.0	11.6	92.6
1985	9.7	4.8	2.1	2.3	2.7	2.5	2.6	3.0	2.5	3.0	2.5	2.4	40.0
1986	2.4	1.7	1.9	2.3	2.3	2.2	2.6	2.6	3.1	2.7	2.1	2.3	28.1
1987	1.9	1.6	1.7	1.8	1.8	1.9	2.1	1.9	1.8	2.1	1.8	1.8	22.2
1988	1.4	1.2	1.4	1.3	1.5	1.7	1.4	2.0	1.6	1.6	1.6	1.4	18.2
1989	1.2	1.0	1.2	1.3	1.3	1.6	1.3	1.8	1.2	1.4	1.6	1.4	16.2
1990	1.6	1.2	1.4	1.2	1.7	1.5	1.5	2.0	1.4	5.0	6.3	3.2	28.1

Sheep & Lambs

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						--(000) Head--							
1982 [2]	---------.8---------			---------.6---------			---------1.5---------			---------1.2---------			4.2
1983	.3	.2	.3	.2	.2	.2	.3	.8	.6	.5	.5	.2	4.2
1984	.2	.2	.3	.2	.3	.2	.4	.7	.4	.4	.3	.3	4.0
1985	.2	.2	.1	.2	.2	.2	.3	.5	.4	.4	.2	.1	3.0
1986	.2	.1	.1	.1	.1	.1	.3	.6	.4	.4	.2	.2	2.9
1987	.1	.1	.1	.2	.1	.2	.3	.5	.4	.4	.2	.2	2.9
1988	.1	.1	.1	.1	.1	.2	.2	.7	.4	.3	.2	.2	2.6
1989	.1	.1	.1	.1	.1	.2	.2	.7	.3	.2	.2	.2	2.5
1990	.1	.1	.1	.1	.1	.2	.3	.7	.5	.5	.4	.3	3.6

Hogs & Pigs

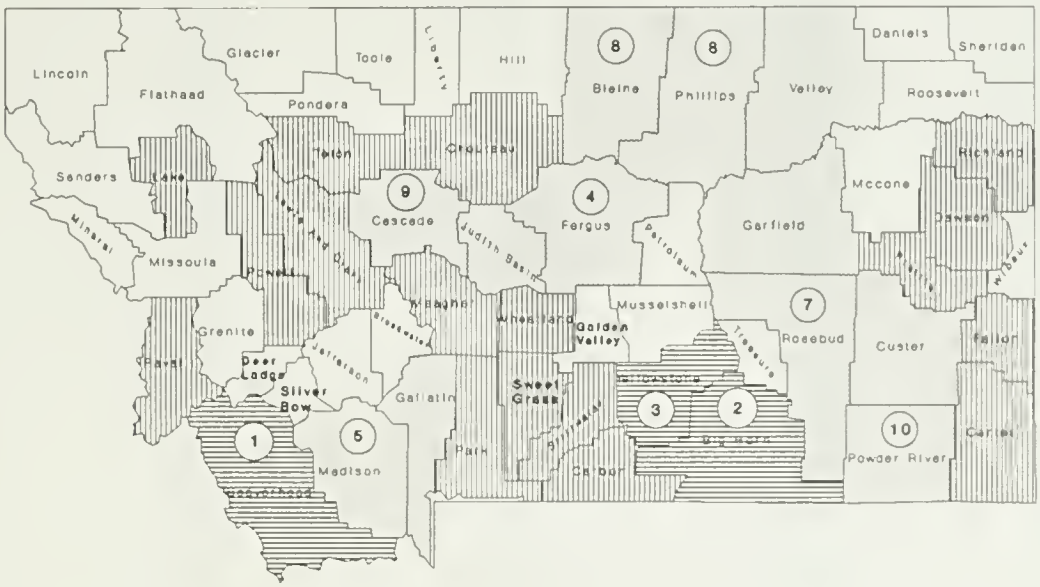
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						--(000) Head--							
1982 [2]	--------118.4--------			--------99.4--------			--------103.0--------			--------119.5--------			440.3
1983	39.3	33.4	39.2	39.2	31.9	38.3	34.0	39.2	37.4	16.9	3.0	2.4	354.1
1984	2.4	2.1	2.4	2.2	2.4	2.3	2.4	7.2	11.5	17.6	13.0	4.8	70.5
1985	2.6	2.2	2.4	2.8	2.5	2.3	2.6	2.9	3.0	3.7	2.6	2.4	31.9
1986	2.5	2.0	2.4	2.4	2.4	2.3	2.4	2.5	2.5	2.6	2.0	2.4	28.5
1987	2.2	1.9	2.3	2.2	1.8	2.0	2.2	2.6	2.4	2.4	2.5	2.6	27.2
1988	2.4	2.1	2.5	2.3	2.3	2.2	2.4	3.2	2.8	3.0	2.7	2.4	30.3
1989	2.4	1.9	2.1	2.3	2.4	2.2	2.2	3.1	2.4	2.4	2.2	1.9	27.4
1990	2.3	1.8	2.0	1.7	1.9	1.6	2.1	2.6	2.0	2.6	2.2	2.2	25.1

[1] Includes slaughter in federally inspected and other slaughter plants but excludes animals slaughtered on farms.
[2] Quarterly totals only.

CATTLE and CALVES: Percent of Operations and Inventory By Size Groups, 1981-1990

Year	1-49 Head		50-99 Head		100-499 Head		500 Head & Over	
	Operations	Inventory	Operations	Inventory	Operations	Inventory	Operations	Inventory
	--Percent--							
1981	39.3	2.8	14.1	4.0	36.8	37.6	9.8	55.6
1982	36.2	3.0	16.3	5.7	37.5	39.3	10.0	52.0
1983	36.8	3.5	15.3	5.0	38.1	43.2	9.8	48.3
1984	39.8	3.8	15.1	5.6	36.7	44.6	8.4	46.0
1985	43.2	4.5	16.7	7.5	33.3	44.1	6.8	43.9
1986	44.3	5.0	17.5	8.0	31.9	43.5	6.3	43.5
1987	47.8	4.4	14.0	6.6	32.5	47.5	5.7	41.5
1988	45.9	4.8	15.9	7.7	31.8	43.0	6.4	44.5
1989	46.0	4.8	13.8	6.2	33.0	44.0	7.2	45.0
1990	34.5	4.0	23.0	9.0	34.0	41.0	8.5	46.0

CATTLE & CALVES
NUMBER OF HEAD JANUARY 1, 1990



Numbers show ranking of top ten.

0-29,999 ☐ 50,000-99,999 ☐

30,000-49,999 ▥ 100,000+ ▤

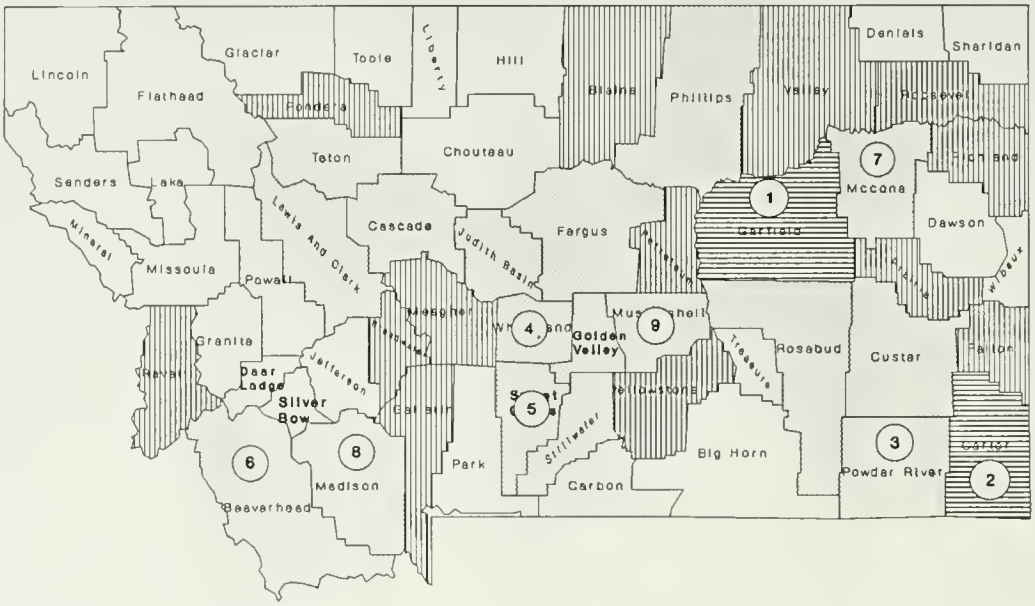
LIVESTOCK: Inventory by Counties, January 1, 1989-1990

COUNTY & DISTRICT	All Cattle and Calves		Milk Cows and Heifers That Have Calved	
	1989	1990	1989	1990
Deer Lodge	8,800	8,900	0	0
Flathead	23,500	19,900	2,100	1,800
Granite	30,700	28,100	0	0
Lake	49,900	44,200	2,900	2,300
Lincoln	5,700	4,800	100	0
Mineral	1,100	900	0	0
Missoula	13,900	11,800	100	0
Powell	44,600	40,500	200	100
Ravalli	44,100	38,600	2,300	2,800
Sanders	25,200	24,900	300	400
NORTHWEST	**247,500**	**222,600**	**8,000**	**7,400**
Blaine	65,800	63,600	200	100
Chouteau	47,500	44,000	100	0
Glacier	28,100	24,400	300	200
Hill	23,000	21,900	200	200
Liberty	12,900	13,200	400	500
Phillips	72,800	71,500	200	100
Pondera	23,200	21,200	500	500
Teton	46,100	48,000	600	600
Toole	15,500	15,300	200	200
NORTH CENTRAL	**334,900**	**323,100**	**2,700**	**2,400**
Daniels	14,000	12,500	0	0
Dawson	36,200	33,500	500	400
Garfield	56,000	50,400	100	100
McCone	30,500	29,000	100	100
Richland	48,000	45,600	100	100
Roosevelt	20,400	18,400	0	0
Sheridan	17,000	15,400	0	0
Valley	62,000	55,500	100	0
NORTHEAST	**284,100**	**260,300**	**900**	**700**
Broadwater	23,800	24,500	0	0
Cascade	65,500	60,800	1,200	1,000
Fergus	98,800	97,200	500	600
Golden Valley	20,500	21,500	100	200
Judith Basin	52,100	52,300	200	100
Lewis & Clark	37,900	35,900	200	200
Meagher	51,500	49,100	100	100
Musselshell	28,700	27,500	100	200
Petroleum	24,600	24,800	0	0
Wheatland	32,100	32,900	300	400
CENTRAL	**435,500**	**426,500**	**2,700**	**2,800**
Beaverhead	150,500	146,300	100	100
Gallatin	66,900	56,900	5,900	6,100
Jefferson	21,800	21,800	500	400
Madison	101,500	92,300	200	100
Silver Bow	6,500	6,500	100	100
SOUTHWEST	**347,200**	**323,800**	**6,800**	**6,800**
Big Horn	123,100	116,900	100	100
Carbon	52,000	47,900	400	400
Park	47,800	44,200	400	400
Stillwater	46,200	43,400	200	200
Sweet Grass	43,000	40,400	100	100
Treasure	30,800	28,900	0	0
Yellowstone	114,600	108,300	2,100	2,000
SOUTH CENTRAL	**457,500**	**430,000**	**3,300**	**3,200**
Carter	48,000	45,700	100	100
Custer	64,300	56,600	100	100
Fallon	34,500	38,100	0	0
Powder River	65,700	59,200	100	100
Prairie	39,500	33,700	0	100
Rosebud	72,300	63,600	100	100
Wibaux	19,000	16,800	200	200
SOUTHEAST	**343,300**	**313,700**	**600**	**700**
MONTANA	**2,450,000**	**2,300,000**	**25,000**	**24,000**

LIVESTOCK: Inventory by Counties, January 1, 1989-1990

COUNTY & DISTRICT	Beef Cows and Heifers That Have Calved		Stock Sheep and Lambs	
	1989	1990	1989	1990
Deer Lodge	5,200	5,500	400	400
Flathead	9,700	8,900	2,200	2,800
Granite	18,900	17,800	1,000	1,100
Lake	28,700	25,900	5,200	4,900
Lincoln	3,300	2,900	100	200
Mineral	600	600	100	200
Missoula	7,700	7,000	1,800	1,900
Powell	27,500	25,400	2,600	3,200
Ravalli	21,100	19,400	6,200	6,700
Sanders	13,600	12,500	1,500	1,100
NORTHWEST	**136,000**	**125,900**	**21,100**	**22,500**
Blaine	43,400	42,200	7,000	8,200
Chouteau	26,100	25,400	2,200	2,300
Glacier	15,900	14,300	3,300	2,200
Hill	15,600	14,900	900	1,400
Liberty	8,000	8,400	900	900
Phillips	42,500	43,400	12,300	14,600
Pondera	14,600	13,900	6,300	7,500
Teton	25,000	26,700	10,200	12,000
Toole	10,100	10,100	1,700	1,700
NORTH CENTRAL	**201,200**	**199,300**	**44,800**	**50,800**
Daniels	8,900	8,200	2,500	3,600
Dawson	22,800	21,600	3,900	4,800
Garfield	33,200	29,300	79,000	93,900
McCone	20,600	19,100	18,600	21,300
Richland	24,100	24,000	6,800	7,000
Roosevelt	13,600	12,400	6,500	6,900
Sheridan	11,200	10,200	5,200	4,800
Valley	37,000	33,100	4,500	6,100
NORTHEAST	**171,400**	**157,900**	**127,000**	**148,400**
Broadwater	14,700	15,500	5,300	7,100
Cascade	39,500	37,600	11,600	11,500
Fergus	64,300	63,800	12,500	13,800
Golden Valley	12,500	12,800	8,900	11,700
Judith Basin	32,900	33,500	11,600	15,000
Lewis & Clark	23,500	22,500	9,400	10,000
Meagher	32,600	30,600	6,400	6,200
Musselshell	16,900	16,900	16,400	17,700
Petroleum	16,300	16,500	5,100	6,200
Wheatland	18,900	19,600	25,900	26,600
CENTRAL	**272,100**	**269,300**	**113,100**	**125,800**
Beaverhead	87,900	85,500	21,000	23,100
Gallatin	27,400	25,200	8,400	9,400
Jefferson	14,100	14,300	1,900	1,900
Madison	59,100	55,300	17,500	18,600
Silver Bow	4,100	4,200	500	500
SOUTHWEST	**192,600**	**184,500**	**49,300**	**53,500**
Big Horn	59,800	62,300	4,000	3,600
Carbon	25,300	25,800	15,300	15,300
Park	31,100	29,000	4,300	4,300
Stillwater	25,100	25,700	15,600	15,300
Sweet Grass	27,700	27,900	23,000	24,800
Treasure	13,700	13,100	1,600	1,200
Yellowstone	31,000	32,000	7,700	9,600
SOUTH CENTRAL	**213,700**	**215,800**	**71,500**	**74,100**
Carter	29,400	27,200	79,900	93,300
Custer	35,500	30,000	13,900	13,400
Fallon	22,600	21,400	7,500	7,500
Powder River	36,900	33,000	19,200	27,400
Prairie	18,600	19,800	4,500	7,100
Rosebud	39,100	34,500	15,900	14,000
Wibaux	10,900	9,400	2,300	2,200
SOUTHEAST	**193,000**	**175,300**	**143,200**	**164,900**
MONTANA	**1,380,000**	**1,328,000**	**570,000**	**640,000**

SHEEP and LAMBS
NUMBER OF HEAD JANUARY 1, 1990

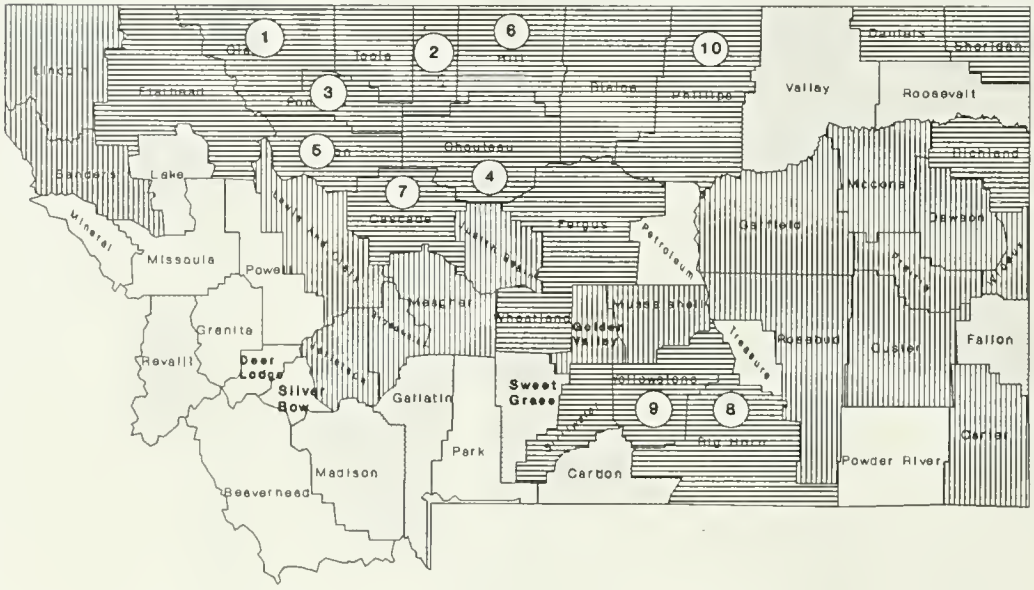


Numbers show ranking of top ten.

0-4,999 ☐ 10,000-49,999 ☐

5,000-9,999 ▥ 50,00+ ▤

HOGS and PIGS
NUMBER OF HEAD DECEMBER 1, 1989



Numbers show ranking of top ten.

0-999 ☐ 3,000-4,999 ☐

1,000-2,999 ▥ 5,000+ ▤

LIVESTOCK: Inventory by Counties, December 1, 1988-1989

COUNTY & DISTRICT	Hogs and Pigs		Chickens	
	1988	1989	1988	1989
Deer Lodge	200	100		
Flathead	6,900	5,800		
Granite	300	100		
Lake	5,500	4,400		
Lincoln	1,700	1,100		
Mineral	200	100		
Missoula	200	100		
Powell	700	700		
Ravalli	3,900	3,900		
Sanders	800	1,000		
NORTHWEST	**20,400**	**17,300**	**91,900**	**69,900**
Blaine	7,400	6,400		
Chouteau	11,700	10,500		
Glacier	14,100	14,900		
Hill	11,500	9,800		
Liberty	12,900	11,300		
Phillips	7,400	8,100		
Pondera	8,700	10,700		
Teton	7,700	10,000		
Toole	6,500	6,400		
NORTH CENTRAL	**87,900**	**88,100**	**180,100**	**207,000**
Daniels	5,400	6,300		
Dawson	2,200	1,900		
Garfield	1,900	1,500		
McCone	3,100	2,400		
Richland	4,900	5,000		
Roosevelt	4,400	3,600		
Sheridan	5,300	5,400		
Valley	6,200	4,600		
NORTHEAST	**33,400**	**30,700**	**14,900**	**16,200**
Broadwater	1,100	1,400		
Cascade	7,500	9,700		
Fergus	6,300	7,400		
Golden Valley	2,600	2,800		
Judith Basin	1,600	1,500		
Lewis & Clark	2,500	2,200		
Meagher	2,400	1,900		
Musselshell	1,800	2,000		
Petroleum	0	0		
Wheatland	6,700	6,600		
CENTRAL	**32,500**	**35,500**	**225,300**	**281,000**
Beaverhead	600	400		
Gallatin	5,200	4,700		
Jefferson	1,900	1,600		
Madison	4,000	3,500		
Silver Bow	200	300		
SOUTHWEST	**11,900**	**10,500**	**196,900**	**235,300**
Big Horn & Yellowstone	8,700	9,300		
Carbon	3,800	3,200		
Park	600	800		
Stillwater	8,000	7,800		
Sweet Grass	4,800	4,500		
Treasure	200	300		
SOUTH CENTRAL	**26,100**	**25,900**	**168,700**	**53,900**
Carter	2,100	1,800		
Custer	1,300	1,500		
Fallon	4,100	4,400		
Powder River	600	300		
Prairie	1,600	1,000		
Rosebud	1,800	1,700		
Wibaux	1,300	1,300		
SOUTHEAST	**12,800**	**12,000**	**32,200**	**26,700**
MONTANA	**225,000**	**220,000**	**910,000**	**890,000**

AGRICULTURAL EXPORTS

The value of Montana agricultural commodities exported during the year ending September 30, 1990 totaled $378.3 million, up 27 percent from a year earlier. This increase was apparent primarily in the wheat and feed grain categories. These two commodities contributed 87 percent of Montana's exports.

Value of United States agricultural exports for the year ending September 30 totaled $40,181.8 million, up 1 percent from the previous year. Wheat and feed grain products accounted for 34 percent of the nation's agricultural exports.

Montana ranked fifth in the export of wheat and wheat products among all states in fiscal year 1990, compared with thirteenth last year. Kansas remained at the top, followed by Oklahoma, Washington, and North Dakota. California was the top exporting state of all products, followed by Iowa, Illinois, Nebraska, and Texas.

The United States exported about 17 percent of its total agricultural production in fiscal year 1990, down slightly from last year and well below the record 22 percent set in fiscal year 1981.

AGRICULTURAL EXPORTS: Montana and U.S., 1988-1990 [1]

COMMODITY	MONTANA			UNITED STATES		
	1988	1989	1990	1988	1989	1990
	--Million Dollars--			--Million Dollars--		
Wheat and Products	341.8	221.3	278.0	4,675.1	6,278.4	4,430.3
Feed Grains and Products	52.6	36.1	50.4	6,228.5	8,345.8	9,070.9
Fruits and Preparations	.6	.6	.9	1,714.1	1,800.2	2,188.1
Vegetables and Preparations	--	--	--	1,280.5	1,542.3	2,078.7
Live Animals and Meat	7.8	7.9	7.3	2,248.6	2,830.0	2,817.3
Hides and Skins	--	--	--	1,836.8	1,713.0	1,795.6
Poultry and Products	--	--	--	647.4	724.5	853.5
Fats, Oils and Greases	--	--	--	544.6	530.8	458.8
Dairy Products	--	--	--	535.5	474.7	347.7
Feeds and Fodders	15.3	18.5	20.5	874.3	1,062.4	1,047.5
Seeds	2.1	2.5	2.9	414.7	506.6	576.4
Other	12.0	11.5	18.3	14,378.6	13,828.4	14,517.0
ALL COMMODITIES	432.1	298.5	378.3	35,378.7	39,637.1	40,181.8

[1] Fiscal year ending September 30.

SOURCE: Foreign Agricultural Trade of the U.S., May/June 1991.

REPORTS ISSUED and PUBLICATION DATES

REPORT	FREQUENCY	APPROXIMATE DATE OF PUBLICATION [1]
MONTANA REPORTS:		
Crop & Livestock Reporter	Twice Monthly	2nd & 4th Thursdays
Crop-Weather Report	Weekly	Mondays, April-October
Crop-Weather Report	Monthly	10th of Month, November-March
Montana Agricultural Statistics bulletin	Annual	October
Wheat Movement Summary	Semi-Annually	March & September
Wheat and Barley Varieties	Annual	July 15
NATIONAL REPORTS ON CROPS:		
Crop Forecasts	Monthly	12th of Month
Winter Wheat Seedings	Annual	January 11
Prospective Plantings	Annual	March 28
Annual Crop Summary	Annual	January 11
Crop Values	Annual	January 24
Cherry Production	Semi-Annually	June forecast, January final
Potato Stocks	Monthly	15th of Month, December-May
Range and Pasture Condition	Monthly	12th of Month, May-November
Stocks of Grains	Quarterly	January, March, June & September
NATIONAL REPORTS ON LIVESTOCK, DAIRY, POULTRY and LIVESTOCK PRODUCTION:		
Poultry (Egg Production, Chick and Poult Hatchings)	Quarterly	March, June, September, December
Livestock Slaughter	Monthly	20th of Month
Cattle Inventory and Calf Crop	Semi-Annually	February 4 & July 29
Sheep Inventory and Lamb Crop	Annual	February 4
Wool Crop	Annual	March 29
Hog Inventory and Pig Crop	Quarterly	January, March, June, September
Meat Animals, Marketings and Cash Receipts	Annual	April
Milk Cows and Milk Production	Quarterly	January, April, July & October
NATIONAL PRICE REPORTS:		
Agricultural Prices	Monthly	Last working day of month
NATIONAL MISCELLANEOUS REPORTS:		
Agricultural Chemical Usage	Annual	March 20
Farms and Farm Land	Annual	July 30
Farm Labor (Regional Data Only)	Quarterly	February, May, August, November

[1] Statistics in the National program are released in Washington, D.C. and locally according to strict, predetermined dates. Dates listed are for 1991, similar release dates can be expected for 1992. Various series are included in the "MONTANA CROP & LIVESTOCK REPORTER" published twice a month.

SUBSCRIPTION INFORMATION:

1. Montana Crop & Livestock Reporter--a semi-monthly publication containing various crop, livestock, price and other farm data. Price: $12.00 for 24 issues.

2. Crop-Weather Report--follows crop progress and livestock situation. Price: $14.00 for 36 issues.

3. Montana Agricultural Statistics Bulletin--Price: $5.00. Those who provide survey information are not charged.

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